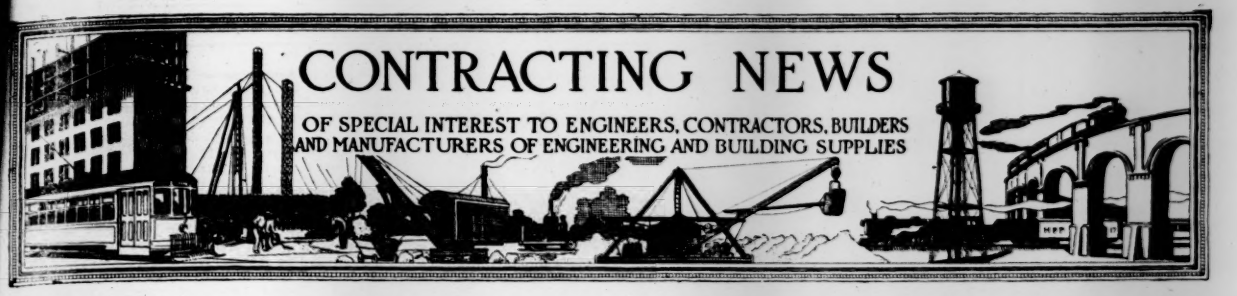
CONTRACTING NEWS
OF SPECIAL INTEREST TO ENGINEERS, CONTRACTORS, BUILDERS
AND MANUFACTURERS OF ENGINEERING AND BUILDING SUPPLIES

Proposals

For Proposals Advertised See Pages 50 to 57 Inclusive

WATER-WORKS

Bids Close		See Eng. News-Record
July 30.	Hamilton, Ont.	July 26
Aug. 16.	Waterloo, Ia.	July 26
Aug. 2.	Akron, O.	June 26
Aug. 7.	New York, N. Y. Adv. July 26.	July 26
Sept. 11.	New York, N. Y.	July 12

SEWERS

July 30.	Mukwonago, Wis.	July 19
July 30.	Huntington, W. Va.	July 26
July 30.	West Park, O.	July 6
July 30.	Commerce, Okla.	July 26
July 31.	Salt Lake City, Utah	July 26
July 31.	Linndale, O.	July 5
July 31.	Glenwood, Minn.	July 12
Aug. 1.	Atwater, Minn.	July 12
Aug. 1.	Hazeltown, Md.	July 12
Aug. 1.	Chicago, Ill.	July 19
Aug. 1.	White Plains, N. Y. Adv. July 26.	July 26
Aug. 2.	Buffalo, N. Y.	July 26
Aug. 6.	Cleveland Heights, O.	July 19
Aug. 7.	Caledonia, Minn.	July 26
Aug. 8.	Dardanelle, Ark.	July 26
Aug. 14.	Lebanon, O.	July 26

STRUCTURAL STEEL WORK

July 30.	New York, N. Y.	July 12
July 31.	Norwalk, O.	July 19
July 31.	Seattle, Wash.	July 19
Aug. 1.	Monument, Ore.	July 26
Aug. 2.	Elgin, Ill.	July 26
Aug. 2.	Miami, Fla. Adv. June 28 and July 5.	June 28
Aug. 2.	Little Falls, Minn.	July 19
Aug. 3.	Albany, N. Y. Adv. July 19.	July 19
Aug. 6.	Camden, N. J. Adv. July 26.	July 26
Aug. 6.	Spencer, Ind.	July 19
Aug. 6.	Rio Vista, Cal.	July 26
Aug. 9.	Vancouver, Wash.	July 26
Aug. 9.	Portland, Ore.	July 26
Aug. 14.	Brazil, Ind.	July 12
Aug. 14.	Fairmont, W. Va.	July 26
Aug. 16.	Hamlin, W. Va.	July 12
Aug. 21.	Albany, N. Y. Adv. July 26.	July 26

REINFORCED CONCRETE

July 30.	Watsontown, Pa.	July 5
July 31.	Dayton, O. Adv. July 26.	July 26
Aug. 2.	Maquoketa, Ia.	July 26
Aug. 3.	Athens, Tenn.	July 19
Aug. 6.	Greenville, Miss.	July 12
Aug. 6.	Columbus, O.	July 19
Aug. 6.	Santa Barbara, Cal.	July 26
Aug. 6.	Camden, N. J.	July 26
Aug. 7.	Columbus, Mo.	July 26
Aug. 9.	South Bend, Wash.	July 26
Aug. 13.	Spencer, W. Va.	July 19
Aug. 22.	Beatrice, Neb.	July 19

STREETS AND ROADS

July 28.	Somerset, Pa.	July 19
July 30.	Albany, N. Y. Adv. July 19.	July 19
July 30.	Jefferson, O.	July 19
July 30.	Seattle, Wash.	July 19
July 30.	South River, N. J.	July 26
July 30.	Barre, Vt. Adv. July 26.	July 26
July 30.	Kenilworth, N. J.	July 26
July 21.	Toledo, O.	July 26
July 31.	Richmond, Mo.	July 26
July 31.	Indiana	July 26
Aug. 1.	New York, N. Y. Adv. July 26.	July 26
Aug. 2.	Buffalo, N. Y.	July 26
Aug. 3.	Uniontown, Pa.	July 19
Aug. 3.	Greenville, Miss.	July 19
Aug. 3.	Indianapolis, Ind.	July 26
Aug. 3.	Fond du Lac, Wis.	July 26
Aug. 3.	Cincinnati, O.	July 26
Aug. 6.	Clifton, Ariz.	July 12
Aug. 6.	Kittanning, Pa.	July 26
Aug. 6.	Tunica, Miss.	July 26
Aug. 6.	Cincinnati, O.	July 26
Aug. 6.	California	July 26
Aug. 6.	Poplar Bluffs, Mo.	July 26
Aug. 6.	Indiana	July 26
Aug. 7.	Indiana	July 26
Aug. 7.	Wallace, Idaho	July 26
Aug. 7.	Indiana	July 12
Aug. 7.	Houston, Tex.	July 19
Aug. 7.	Huntsville, Tex.	July 19
Aug. 7.	Pennsylvania	July 19
Aug. 7.	Camden, N. J.	July 26
Aug. 7.	Paterson, N. J.	July 26
Aug. 7.	Billings, Mont.	July 26
Aug. 8.	Santa Ana, Cal.	July 19
Aug. 8.	Indianapolis, Ind.	July 26
Aug. 8.	Indiana	July 26
Aug. 9.	South Bend, Wash.	July 26
Aug. 10.	Indiana	July 26
Aug. 10.	Uniontown, Pa.	July 26
Aug. 11.	Indiana	July 26
Aug. 13.	Lewiston, Idaho	May 24
Aug. 13.	Ashland, Ala.	July 26
Aug. 13.	Indiana	July 26
Aug. 13.	Centerburg, O.	July 26
Aug. 14.	New Bedford, N. J.	July 19
Aug. 14.	Pennsylvania	July 26
Aug. 16.	Hamlin, W. Va.	July 12
Aug. 20.	Indiana	July 26

INDUSTRIAL WORKS

Aug. 1.	St. Petersburg, Fla.	July 5
Aug. 1.	Bennington, Vt.	July 26
Aug. 6.	Mottville, Mich. Adv. July 26.	July 26

EXCAVATION AND DREDGING

July 30.	Walker, Minn.	July 12
July 30.	Winamac, Ind.	July 19
July 31.	Susanville, Cal.	July 12
July 31.	Central Islip, N. Y. Adv. July 19.	July 19
Aug. 1.	Sac City, Ia.	July 12
Aug. 3.	Lebanon, O.	July 19
Aug. 3.	Rockwell City, Ia.	July 26
Aug. 4.	Cadwell, Ill.	July 26
Aug. 4.	Marshall, Minn.	July 26
Aug. 5.	New Ulm, Minn.	July 26
Aug. 6.	Paxton, Ill.	July 26
Aug. 7.	Ft. Madison, Ia.	July 26
Aug. 7.	Jersey City, N. J.	July 26
Aug. 9.	Centre City, Minn.	July 26
Aug. 10.	Lewiston, Ill.	July 26
Aug. 20.	Des Moines, Ia.	July 26

BUILDINGS

July 30.	Ft. Wayne, Ind.	June 28
July 30.	Washington, O.	July 26
July 31.	Ft. Wayne, Ind.	July 5
July 31.	Boardman, Ore.	July 26
Aug. 1.	Stillwater, Okla.	July 12
Aug. 1.	Ft. Wayne, Ind.	July 12
Aug. 1.	Cushing, Okla.	July 19
Aug. 1.	Warroad, Minn.	July 19
Aug. 1.	Trenton, Mo.	July 26
Aug. 2.	Springfield, O.	July 26
Aug. 3.	Columbus, O.	July 26
Aug. 3.	Lebanon, O.	July 26
Aug. 4.	St. Paris, O.	July 26
Aug. 4.	Glendora, Cal.	July 26
Aug. 4.	Durham, N. H.	July 26
Aug. 6.	Cheyenne, Wyo.	July 19
Aug. 6.	Santa Barbara, Cal.	July 19
Aug. 7.	New York, N. Y. Adv. July 26.	July 26
Aug. 7.	Youngstown, O.	July 26
Aug. 8.	Great Bend, Kan.	July 19
Aug. 9.	Loveland, O.	July 26
Aug. 10.	Fall River, Mass.	July 26
Aug. 10.	Bedford, O.	July 26
Aug. 13.	Mason City, Ia.	July 26
Aug. 17.	Cohoes, N. Y.	July 26
Aug. 20.	Troy, N. Y.	July 12
Aug. 22.	Greensboro, N. C.	July 26
Aug. 24.	New Brunswick, N. J.	July 26
Sept. 10.	El Paso, Tex.	July 26

FEDERAL GOVERNMENT WORK

July 30.	New York, N. Y.	July 12
July 30.	Keyport, Wash.	July 12
July 30.	San Antonio, Tex.	July 12
July 30.	Newport, R. I.	July 12
July 30.	Melville, R. I.	July 26
July 31.	Chardon, Neb.	July 5
Aug. 2.	San Francisco, Cal.	July 26
Aug. 2.	Buffalo, N. Y. Adv. July 26.	July 26
Aug. 3.	Winchester, Mass.	July 5
Aug. 6.	Globe, Ariz.	July 5
Aug. 6.	Charleston, S. C.	July 26
Aug. 11.	St. Louis, Mo.	July 26
Aug. 14.	West Point, Ga.	July 12
Aug. 17.	Washington, D. C.	July 12
Aug. 21.	Grand Haven, Mich. Adv. July 26.	July 26
Aug. 30.	Franklin, Pa. Adv. July 26.	July 26
Sept. 5.	Torrington, Wyo. Adv. July 26.	July 26

MISCELLANEOUS

Aug. 3.	Embankment— Greenville, Miss.	July 26
Aug. 3.	Incinerator—Kansas City, Mo.	July 26
Aug. 6.	Air Compressors—Galesburg, Ill. Adv. July 26.	July 26
Aug. 21.	Piers—Albany, N. Y. Adv. July 26.	July 26
Aug. 22.	Tunnels—San Francisco, Cal. Adv. July 19.	July 19

Where name of official is not given, inquiries should be addressed to City Clerk, County Clerk or corresponding official.

WATER-WORKS

Proposed Work

N. J., Cape May—Bd. Comrs. to sell $10,000 bonds extending and improving water mains and water plant. W. Porter, city clk.

N. J., New Brunswick—City to sell $117,000 bonds July 24, to purchase additional land to construct and equip new water supply system. E. F. Farrington, mayor.

N. J., Perth Amboy—Council authorizes $100,000 bond issue for extension and improvements to water-works system; also for installing new machinery. J. Hanson, Jr., city clk. A. H. Crowell, supt.

N. J., Roosevelt—See "Sewers."

Fla., Leesburg—City election soon to vote on $100,000 bonds as follows: Constructing water-works and light plant, $40,000; sewers, $40,000; street paving, $20,000.

O., Ashland—City to sell $11,000 bonds to construct water mains from Scott Well to water-works. R. H. Conn., city engr.

O., Chardon—Village rejected bids installing water-works as too high. R. S. Parks, clk. Noted June 14.

O., Dayton—(Official)—City to sell $390,000 bonds Aug. 3, to extend water-works. H. Collins, supt.

Water-Works (Continued)

O., Lewisburg—City voted $10,000 bond issue to extend and improve water system. C. Wilson, supt. Noted June 28.

O., Marietta—City had plans prepared by Chester & Fleming, engrs., Union Bank Bldg., Pittsburgh, constructing Booster station and water tower tank at Fairview Heights. About $11,400.

Minn., Red Lake Falls—City to sell $18,000 bonds to install modern filter plant having capacity of 500,000 gal. per day.

Kan., Liberal—City had plans prepared for water-works improvement. About $27,500. E. T. Archer, & Co., 609 New England Bldg., Kansas City, Mo., engrs.

Neb., Alexander—City voted $10,000 bonds to construct water-works.

S. D., Bonesteel—City voted $14,000 bonds to improve water-works system; and $15,000 bonds for electric light system.

Mo., Hamilton—City plans to install water-works and sewerage systems. About $30,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, engrs.

Ark., Batesville—City Council authorized Bd. Comrs. to borrow $25,000 to improve water-works and lighting systems. W. H. Walkup, supt.

Ark., Tuxarkana—City to vote, Aug. 1, on $140,000 bonds for water-works extension. Address The Mayor.

Tex., Abilene—City election, Aug. 15, to vote on $230,000 bonds to be used in constructing Elm Creek water project. W. A. Rincy, city engr.

Tex., Mineral Wells — (Official) — City election, July 30th, to vote on bond issue to build water supply system, including lake, filters and about 5-mi. pipe line. W. W. McClendon, city engr.

Okla., Ada—City had plans prepared by Benham Eng. Co., 1300 Colcord Bldg., Oklahoma, for water-works improvement; including 36-in. rein.-con. flume, new intake, extension of mains, and 500,000-gal. tank on tower; also building sewage disposal plant.

Okla., Enid—City voted $50,000 bonds for water-works extension. F. W. Brooks, supt.

Okla., New Wilson—City voted $25,000 bonds for water-works improvements. Benham Engineering Co., Concord Bldg., Oklahoma, engrs.

Okla., Poteau—City plans water-works extension; bond election soon. About $125,000. Benham Eng. Co., 1300 Colcord Bldg., Oklahoma, engrs.

Okla., Tulsa—(Official)—City voted $675,000 bonds to extend and improve water system. Noted June 21.

Okla., Warika—(Official)—City sold $15,000 bonds to improve water supply. H. Freadwell, clk. Noted July 12.

Ariz., Globe—City having plans prepared by Benham Eng. Co., engrs., 1300 Colcord Bldg., Oklahoma, for constructing water-works and sewers. Bond election soon. About $435,000. J. F. Mayer, clk.

Wash., Pullman—See "Streets and Roads."

Wash., Seattle—Council will issue $3,700,000 bonds to improve water-works. Works includes impounding reservoir at Swan Lake, capacity 4,000,000,000 gal., conduit with capacity 150,000,000 gal. daily from Swan Lake, intake tower at upper end of conduit; conduit with capacity of 50,000,000 gal. daily to Volunteer Park; enlargement of Volunteer Park reservoir by addition of second basin to increase storage capacity to 60,000,000 gal., etc. L. B. Youngs, supt.

Cal., Santa Barbara—See "Reinforced Concrete."

Que., Grand Mere—City having plans prepared for installing new water-works pumps. About $10,000. C. Celonas, city engr.

Ont., Petrolia—City plans to install hydro electric water pumping system. About $20,000. J. Bright, city engr.

BIDS DESIRED

O., Akron—(Official)—Until Aug. 2, by C. F. Beck, dir. pub. serv., constructing and equipping filter plant extension, including, building and equipping 5 rapid filter units, 2,000,000 gal. daily capacity each, and about 1900 cu.yd. concrete masonry, etc.

O., Dayton—See "Reinforced Concrete."

Mo., Columbia—See "Reinforced Concrete."

Ont., Hamilton—Until July 30, by S. H. Kent, for 1 10,000,000-gal. steam turbine driven centrifugal pumping unit, 2 transformers, 1 synchronous motor, switching apparatus, 2 venturi meters, 2 water tube boilers, and 1 10,000,000-gal. motor driven centrifugal pump. About $127,000. E. R. Gray, city engr. Noted May 10.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. J., Newark**—Bd. W| Wks. let contract meter recording station for water system to F. McCue Constr. Co., 42 Market St., $12,496. Noted July 12.

★**Wis., West Allis**—City let contract improving water and sewerage systems to H. Hohensee, Humbold Ave. Bridge, Milwaukee. About $50,000. Noted June 21.

★**Kan., Altoona**—(Official)—City let contracts enlarging water and electric light systems, as follows: Connor Constr. Co., Kansas City, general contract, $10,000; Merkle-Hines Machinery Co., 508 Interstate Bldg., Kansas City, pumping equipment, hydrants and valves; Challenge Co., 1404 West 12th St., Kansas City, oil storage tank, 2-in. galvanized steel pipe and 1½-in. black pipe; Natl. Cast Iron Pipe Co., Kansas City, pipe; Pittsburgh Filter Mfg. Co., Farmers Bank Bldg., Pittsburgh, filter equipment. Noted July 12.

★**Tex., Beeville**—City let contract building electric light and waterworks plant to J. S. Fenner, Beeville, $55,000.

★**Wash., Bremerton**—Council let contract watermains in certain streets to W. H. Mitchell, Bremerton, $25,000. Noted June 14.

★**B. C., Trail**—City let contract water and sewer mains to Clay Products Co., Medicine Hat, Alta, $50,000.

SEWERS

Proposed Work

N. Y., Syracuse—See "Streets and Roads."

N. J., Haddonfield—Dept. Pub. Wks. having plans prepared by Remington & Vosbury, engrs., 6th and Market Sts., Camden, extensions to sewage disposal plant.

N. J., Roosevelt—Boro. plans building sewage disposal plant; also installing waterworks system.

N. J., Roselle—Boros. of Roselle and Linden plan to build joint sewerage system.

N. J., Trenton—Bd. City Comrs. authorize building sewers in Trent St. and Peake Alley. J. R. Fell., Jr., city engr.

W. Va., Charleston—City election soon to vote on $300,000 bonds to build trunk sewers. J. M. Clark, city engr.

Fla., Leesburg—See "Water-Works."

O., Cleveland—City plans to install sewers in East 97th, East 157th, St. Clair and Melvern Sts. R. Hoffman, city engr.

O., Lima—City plans to issue $155,000 bonds to pay its portion of installing relief trunk sewer in Lima sewer district. C. Bryson, city engr.

O., Youngstown—See "Streets and Roads."

Ill., Evanston—City Council passed ordinance to build sewer in newly annexed land in northwestern section of city. About $86,000. J. I. Bromer, city engr.

Minn., St. Paul—City had plans prepared constructing sewers on Hendon Ave., Bradley and Morton Sts., and Mount Curve Blvd. O. Claussen, city engr.

Kan., Baxter Springs—City plans to install sewerage system. A. C. Moore, 417 Frisco Bldg., Joplin, Mo., engr.

Neb., Wayne—City election, July 31, to vote on $30,000 bond issue to construct storm sewers.

Okla., Ada—See "Water-Works."

Okla., Tulsa—(Official)—City voted $80,000 bonds for extending sewerage system. F. Newkirk, aud.

Ariz., Globe—See "Water-Works."

Wash., Seattle—City had plans prepared for 2 sewerage systems to serve Rainier Valley; Empire Way system to cost, $300,000; Brighton Beach system $150,000 without laterals. H. W. Carroll, city engr.

Wash., Spokane—City had plans prepared for building sewer in Holmes School Dist. Bids soon. About $24,600. M. Macartney, city engr.

Cal., Los Angeles—City plans to repair outfall sewer at Hyperion Sta. About $119,000. A. C. Hansen, city engr.

Cal., San Diego—City plans storm sewer in 6th St. About $21,292. G. Crowell, city engr.

BIDS DESIRED

N. Y., Brooklyn—Until Aug. 1, by J. H. Pounds, boro. pres., for installing sewers in portions Vermont, Crosby, Miller Ave., Bulwer Pl., and Highland Blvd., cost $25,293; also installing sewer basin portion Bedford Ave.

N. Y., Buffalo—Until Aug. 2, by Supt. Pub. Wks., for sewers in Ramsdell and Frank Ave., Greeley and Zittel Sts., consisting of 10- to 24-in. pipe. G. H. Norton, city engr.

N. Y., New York—(Official)—Until Aug. 7, by Bd. Water Supply, Municipal Bldg., furnishing and delivering gate and pressure-regulating valves, etc. G. Featherstone, secy.; advertised in this issue.

N. Y., White Plains—(Official)—Until Aug. 1, by Bronx Parkway Comn., building of connections between existing and proposed sewers and Bronx Valley Sewer, also diverting Bronx River; advertised in this issue.

O., Centerburg—Until Aug. 13, by N. Smith, village clk., building sanitary sewer, involving 5700 lin.ft. 6-in. and 1100 ft. 8-in. sewer pipe, together with necessary appurtenances. C. Anderson, city engr.

O., Lebanon—Until Aug. 14, by N. Gustin, village clk., for installing auxiliary sanitary sewerage system; work involves 2600 lin.ft. 15-in. vitr. sewer pipe and considerable quantity of other sizes, outlet trunk sewer, septic tanks, etc.

O., West Park—(Official)—Until July 30, by F. Feuchter, village clk., constructing sewers in portions of Cloverdale Ave., Vinton Row, and Lorain Ave. Noted Apr. 20.

Minn., Caledonia—(Official)—Until Aug. 7, by D. C. Merlo, village recdr., sanitary sewerage system, including 18,000-ft. 8- to 18-in. sewer tile, 5 to 25 ft. deep and sewage disposal plant. About $38,000. J. F. Druar, 314 Commercial Bldg., St. Paul, eng. Noted June 14.

S. D., Waterloo—Until Aug. 16, by City, building 7500 ft. of 10- and 12-in. sanitary lateral sewers. H. C. Wood, clk. W. F. Cockran, city engr.

Ark., Dardanelle—(Official)—Until Aug. 8, by comrs. Sewer Dist. No. 1, for 7½ mi. vitr. pipe sewers, 6 to 30-in. diam. Ford & Mac Crea, 325-326 Gazette Bldg., Little Rock, engrs.

Okla., Commerce—(Official)—Until July 30, by City for system of sanitary sewers; advertised in this issue. Noted July 12.

Utah, Salt Lake City—Until July 31, by City, for building sewer Extension No. 372, portions of Harrison Ave. Cannon, city engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

N. J., Newark—Passaic Valley Sewerage Comn. received low bids foundations and connections Wallington pumping station from Carrington Constr. Co., Prior St., Jersey City, $124,490; L. L. Brown Co., 30 Church St., New York City, $124,650; Linde & Griffith Co., 4th Ave., $137,770. Noted June 7.

★**N. J., Newark**—Passaic Valley Sewerage Comn. let contract foundations and connections Yantacaw pumping station, Clifton, to J. F. Shanley Co., 31 Clinton St., $93,675. Noted May 24.

★**Tenn., Chattanooga**—City let contract Orange Grove storm sewer to Noll & Son, 8 East 6th St., $11,001.

O., Cleveland—(Official)—City received low bid installing sewers in Pratt Ave. extension from W. McDowell & Son Co., Cleveland, $55,294; East 119th St. from River Constr. Co., 1210 Mayfield Rd., Cleveland. $16,543; Euclid Ave., from D. Zullo, Cleveland, $7493. Noted June 21.

★**Wis., Beloit**—City let contract 8½ mi. sanitary sewers in Dist. B and C to Logan & Giertz, Elgin, Ill., $51,353.

Sewers (Continued)

★**Wis., Neenah**—(Official)—City let contract installing 5300 lin.ft. sanitary sewers to Rispert & Hendricks, Kaukauna, $10,-558. Noted June 28.

★**Wis., Superior**—City let contract constructing main sewer in Wisconsin Ave. and lateral sewers in adjoining alleys to Riches & Son, $10,432. Noted Apr. 26.

★**Ia., Spirit Lake**—(Official)—City let contract sewerage system and sewage disposal plant, involving 10½ mi. sewers, Imhoff tank, dosing chamber, sludge bed, and filter beds to Dearborn Constr. Co., Waterloo Savings Bldg., Waterloo.

★**Mo., Mexico**—(Official)—City let contract sewage disposal plant and outfall sewers to O'Neil Constr. Co., Leavenworth, $13,425. Noted Apr. 19.

★**Tex., Graham**—(Official)—City let contract installing sewerage system and sanitary disposal plant to Winslett Eldridge Co., 1001 Main St., Dallas, $23,500. Noted June 28.

Okla., Ada—City received low bids installing sewers, from Tolbert Constr. Co., Muskogee, $24,100; James Constr. Co., Guthrie, $24,125; T. McCormick, Oklahoma, $24,265. Noted June 21.

Wash., Seattle—City received low bid for building sewers in West and North 45th Sts., from Florito Bros., 1630 25th Ave., S., $17,048.

★**Ore., Portland**—City received low bid installing vitr. pipe for 50th St., S. E., and 31st Ave., S. E., sewerage systems, from J. F. Shea, 6 North 2nd St., $23,531; cement pipe from J. Keating, Lumbermens Trust Co., 5th Ave. and Stark St., $25,810. Noted June 21.

★**Cal., Fresno**—City let contract sewerage system consisting of 6-, 8-, 10- and 12-in. vitr. pipe, 48 manholes, etc., in Arlington Heights, to Thompson Bros., Fresno, $30,-000.

★**B. C., Trail**—City let contract waterworks to Bianco & Maglio, $26,387. Noted June 7.

STRUCTURAL STEEL WORK

Proposed Work

Mass., Boston—Metropolitan Park Comn. rejected bids building bridge over Neponsit River between Boston and Quincy. Temporary bridge will be constructed. Noted July 12.

N. J., Belmar—Bd. Freeholders, Freehold, plan to build bridge over Shark River here. G. D. Cooper, Red Bank, co. engr.

N. J., Newark—Lehigh Valley R.R. submitted plan to city for building steel bridge over tracks on Ave. R. About $185,000 of which railroad will pay $100,000 and city balance. M. R. Sherrard, city engr. E. B. Ashby, New York City, ch. engr. R.R.

N. J., Weston—Philadelphia & Reading Ry. plans to improve bridges at Weston and Belle Meade. S. T. Wagner, Phila., ch. engr.

Pa., Scranton—Council voted $90,000 bonds to build bridge over Roaring Brook, between Harrison and Crown Aves. W. A. Schunk, city engr.

La., White Sulphur Springs—County plans to build steel bridge over Little River, also concrete bridges over important streams. About $100,000. Address Co. Clk., Jean.

O., Lima—See "Streets and Roads."

Okla., Holdenville—County voted $34,000 bonds to build bridges, Wetumka Twp.

Okla., Lehigh—See "Streets and Roads."

Okla., Tulsa—City voted $40,000 bonds to build north approach to Arkansas River bridge and $30,000 to build and repair viaducts and subways. F. Newkirk, aud. Noted June 21.

Ore., Portland—Co. Comrs. plan to build bridges over Beaver Creek. About $17,000.

Cal., Los Angeles—Bd. Pub. Wks. soon lets contract bridge over Los Angeles River on Brand Blvd., creosoted piles, asphalt paved plank floor. About $18,514.

Cal., Santa Barbara—Bd. Supervs. plan to build Honda and Refugio Bridges on Santa Barbara Gaviota Highway. About $80,000.

BIDS DESIRED

N. Y., Albany—(Official)—Until Aug. 21, by W. W. Wotherspoon, supt. pub. wks., building substructure, superstructure and approaches of bascule bridge over Tonawanda Creek, Tonawanda and North Tonawanda, N. Y., also highway bridge over Lock 27, Clyde River, Lyons, N. Y.; advertised in this issue.

W. Va., Fairmont—Until Aug. 14, by County, building Paw Paw Creek and Benefield Fork bridges. A. G. Martin, clk.

Wash., Vancouver—Until Aug. 9, by Co. Comrs., building 90-ft. truss bridge near Dole and 1 72-ft. bridge over Lewis River near Yacolt.

Ore., Monument—Until Aug. 1, by Co. Comrs., Canyon City, building 180-ft. Howe Truss span over north fork of St. John Day River, concrete piers, 250-ft. timber approaches.

Ore., Portland—Until Aug. 9 by M. R. Haack, co. aud., building 72-ft. truss bridge over Lewis River.

Cal., Rio Vista—Until Aug. 6 by Bd. Supers. Sacramento and Solano Cos., at Sacramento, for bascule bridge over Sacramento River here. About $120,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Md., Baltimore**—Baltimore & Ohio R.R. let contract 1210-ft. bridge over Colgate Creek and Union Ry. & Electric Co. tracks to H. S. Kerbaugh, 50 Church St., New York City.

★**W. Va., Logan**—See "Streets and Roads."

★**N. C., Newton**—Catawba and Iredell Cos. let contract Island Ford, Terrell and Buffalo Shoals bridges over Catawba River to Virginia Bridge & Steel Co., Roanoke, Va.

★**O., Warren**—(Official)—Bd. Co. Comrs. let contract Huston Bridge on Rd. No. 101, Sect. "A," Newton Twp. to G. B. Shade & Son, Newton Falls.

★**Mont., Chinook**—Co. Comrs. let contract 17 bridges to Midland Bridge Co., 504 Midland Bldg., Kansas City, Mo.

★**Ark., Wynne**—(Official)—Rd. Improv. Dist. No. 1 let contract steel drawbridge over St. Francis River to Larimer & Burget Bridge Co., Memphis, $33,560. Noted May 31.

★**Tex., Lagrange**—(Official)—Co. Comrs. let contract for east approach to Colorado River Bridge to Wessels & Letzerich, La Grange, $20,650. Noted June 28.

★**Washington**—(Official)—State Highway Comn., Olympia, let contract Kalma River bridge to R. E. Mieth, Yeon Bldg., Portland, $25,390. Noted June 28.

★**Wash., Wenatchee**—Co. Comrs. let contract rebuilding steel bridge over Wenatchee River to C. G. Huber, Central Bldg., Seattle, $16,000.

★**Oregon** — (Official) — State Highway Dept., Salem, let contract building intercounty bridge between Marion and Polk Cos. to Coast Bridge Co., Ry. Ex. Bldg., and R. Wakefield, Worcester Bldg., both of Portland; $230,000. Noted July 19.

★**Que., London**—See "Railways."

REINFORCED CONCRETE

Proposed Work

Pa., Phila—H. Belfield Co., 435 North Broad St., plans 5-story, 100 x 280 ft., rein.-con. factory at 19th and Cambria Sts., also 1-story, 100 x 280 ft., building and 1-story, 100 x 280 ft., foundry. W. Steele & Sons Co., 30 South 15th St., archts.

Pa., Phila.—D. Berg and P. Publicker plan 7-story, 80 x 140-ft. concrete and steel theatre and office building on Broad St. H. J. Krapp, 114 East 16th St., New York City, archt.

O., Troy—Co. Comrs. to sell $18,000 bonds Aug. 6 to build rein.-con. bridge over Stillwater River and $14,000 and $6300 bonds to build Hoke and Range Line Rds. Noted Apr. 12.

Ind., Terre Haute—See "Streets and Roads."

Mich., Detroit—R. G. Olde, c/o Reo Motor Car Co., Lansing, had plans prepared for 11-story, rein-con. mercantile building, about $750,000, Baxter, O'Dell & Halpin, 1024 Hammond Bldg., archts.

Wis., Milwaukee — Kellogg & Petit, Chamber of Commerce Bldg., retained J. M. Stewart & Co., elevator and mill engrs., 110 South Dearborn St., Chicago, to prepare plans and supervise construction of rein.-con. grain elevator, 500,000-bu. capacity on Chicago and North-Western Belt Line. About $250,000. W. G. Kellogg, genl. mgr.

Okla., Ada—See "Waterworks."

Cal., Santa Barbara—City had plans prepared constructing 1,000,000-gal., concrete lined reservoir at Monecito. A. P. Cook, city engr.

BIDS DESIRED

N. J., Camden—(Official)—Until Aug. 6 by County building 219 ft. rein.-con. bridge over Newton Creek. J. J. Alberton, co. engr.; advertised in this issue.

O., Dayton—(Official)—Until July 31, by J. E. Barlow, dir. pub. ser., building 10,-000,000-gal. rein.-con. reservoir; advertised in this issue. Noted May 10.

Ill., Elgin—(Official)—Until Aug. 2, by W. F. Sylla, city clk., building concrete slab bridge over Fox River, Kimball St., former bids rejejcted; advertised in this issue. Noted July 5.

Ia., Maquoketa—(Official)—Until Aug. 2, by Co. Aud., building 3 trusses, 4 I-beams, 1 through girder, 3 sets of abutments and 14 box culverts, all to be rein-con. C. M. Fisher, co. engr.

Mo., Columbia—(Official)—Until Aug. 7, by J. S. Bicknell, city clk., for constructing rein.-con.-lined reservoir, including excav. and embankment, about $1,000,000 gal. capacity.

Tex., Houston—Until July 30, by E. B. Bonney, city secy., building rein.-con. wharf, foot of Main St. About $30,000. E. E. Sands, city engr.

Wash., South Bend—Until Aug. 9, by Co. Comrs., building 2 60-ft. rein.-con. bridges over Willapa River, Lebam Twp., 1 40-ft. span over Trap Creek, Nalpee Twp., 1 30-ft. span over Green Creek between Menlo and Holcomb Twps. C. S. Henry, co. engr.

Cal., Santa Barbara—Until Aug. 6, by C. A. Hunt, co. clk., building 1-story, 235-ft. county hospital with 2 wings 51 ft. long, rein.-con. About $50,000. R. F. Sauter archt. Noted July 19, under "Buildings."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—United Fruit Co., Bd. Trade Bldg., let contract 9-story, 80 x 197-ft. rein.-con. engine house and warehouse to Turner Constr. Co., 45 Milk St.

★**Mass., Greenfield**—Town let contract rein.-con. bridge over Green River to W. M. Bailey Co., 141 Milk St., Boston, $14,000.

★**N. Y., Long Island City**—Oakes Mfg. Co., Blackwell St., let contract 2-story, 60 x 80-ft. and 3-story, 32 x 100-ft. rein.-con. factories to Turner Constr. Co., 244 Madison Ave., New York City.

★**N. J., Hopewell**—Philadelphia & Reading R.R. let contract rein.-con. bridge over tracks on Greenwood Ave. to American Bridge Co., Widener Bldg., Phila. About $40,000. Noted June 7.

★**Pa., Phila.**—Pennsylvania R.R. let contract 2-story, 61 x 125-ft. rein.-con. packing plant at West Phila. Stock Yards to W. C. Doll Co., 201 North Broad St. About $120,000.

★**Pa., Phila.**—S. S. White Dental Mfg. Co., 12th and Chestnut Sts., let contract 4-story, 60 x 75-ft. rein.-con. factory, at 212 South Quince St., to Turner Concrete Steel Co., 1713 Sansom St.

W. Va., Fairmont—Bd. Affairs received only bid building rein.-con. bridge over Coal Run from J. F. Casey Contr. Co., Union Arcade, Pittsburgh, cost plus $18,150 in event of plans "A" being adopted, cost plus $15,600 in event of plans "B" being adopted. Noted July 12.

★**Ind., Marion**—(Official)—Co. Comrs. let contract rein.-con. bridge over Mississinwa River to E. R. Woover & Co., Marion, $33,-424. Noted July 12.

★**Mich., Detroit**—Theater and Store—De Luxe Theater Co., let contract, 2-story, rein.-con. and steel, Kercheval Ave., to Baas Constr. Co., 263 Eliot St. About $100,000.

Ill., Danville—(Official)—Ciunty received low bids building rein.-con. arch bridge, Sect. 6, Georgetown Twp. from P. McCully Constr. Co., Mackinaw, $19,500; M. & P. Constr. Co., Hatfield, Ind., $20,600; McCalman Constr. Co., Georgetown, $22,000. Noted July 12.

★**Ia., Mason City**—City let contract 194-ft. rein.-con. bridge on south Pennsylvania Ave. to Henkle & Brown, Mason City, $39,-997.

★**Ariz., Clifton**—Town Council let contract rein.-con. bridge over San Francisco River to Midland Bridge Co., 504 Midland Bldg., Kansas City, Mo., $42,000. Noted June 7.

Reinforced Concrete (Continued)

★**Wash., Colfax**—Co. Comrs. let contract 55-ft. span rein.-con. arch bridge over Union Flat Creek, near La Crosse, to H. C. Malott, 6526 17th Ave. N.E., Seattle, $11,900. Noted July 12.

STREETS AND ROADS

Proposed Work

N. Y., Syracuse—Council authorized $244,000 bond issue for paving, sidewalks and sewer construction. H. C. Allen, city engr.

N. J., Camden—Bd. Freeholders plan building road near Atco and eliminating "death trap" of overhead bridge at that place. About $12,000. J. J. Albertson, Magnolia, co. engr.

N. J., Deal Beach—Boro. plans curbing and laying sidewalks on Pearl St. and Phillips and Brighton Aves. C. Conover, boro. clk.

N. J., Freehold—Bd. Freeholders soon lets contract paving 1½ mi. Freehold-Smithburg Rd., concrete.

N. J., Jersey City—City soon receives bids paving Sip and Summit Aves. asphalt or wood block. C. Van Kuren, city engr.

N. J., Newark—City passed ordinance to pave Summer Ave., asphalt. M. R. Sherrard, city engr.

N. J., Newark—**City plans to pave** portion Willoughby St., Bitulithic, 6-in. concrete foundation; South 16th St., 10-in. telford, sand foundation. M. R. Sherrard, city engr.

N. J., New Brunswick—City prepared plans paving, curbing, grading and regulating portion Remsen Ave., Comstock, Brown, Townsend and Condict Sts., vitr. brick, asphalt block or warrenite. A. Atkinson, city engr.

N. J., Passaic—Bd. Freeholders to sell Aug. 5, $251,000 bonds for improving 13 roads, asphalt and bituminous macadam. G. W. Botbly, clk.

N. J., Somerville—Bd. Freeholders plans to repair Union Ave., and Kingston-Franklin Rd. About $22,000. J. Doughty, Jr., co. engr.

Pennsylvania — State Highway Comn., Harrisburg, plans to build 1½-mi. brick road from Oil City to Rouseville. About $60,000. H. W. Claybaugh, asst. engr.

Pa., Carlisle—City plans election to vote on $140,000 bonds to pave streets, etc. J. T. Hiteshew, city engr.

Pa., Carnegie—Boro. Council plans paving Liberty Ave. and Doolittle St. and curbing and paving Chestnut St. O. B. Highley, city engr.

Pa., Pittsburgh—Co. Comrs. receive bids about Aug. 1, for widening Noblestown Rd. to make 24 ft. brick highway from city line to intersection of Dinsmore Rd., continuation of Dinsmore Rd. entailing widening of road to 21 ft.; also widening Noblestown Rd. for distance of 1½ mi.

W. Va., Carlisle—Town election in November to vote on $50,000 bonds to pave streets.

W. Va., Wheeling—City voted $32,000 bonds for improving and paving various streets. C. B. Cooke, city engr.

N. C., Mt. Holly—Town plans to issue $10,000 bonds to build sidewalks, curbs and gutters, brick, stone, concrete or similar material. W. T. Johnston, clk.

S. C., Charleston—City plans paving Rutledge Ave. and Mill and Montague Sts.; also extending portion Felix St. About $47,790. J. H. Dingle, city engr.

Ga., Waycross—City Council passed ordinance for paving portions McDonald, Howe, Brewer and other streets. J. L. Youmans, city engr.

Fla., Leesburg—City election soon to vote on $100,000 bonds; $20,000 to be used for street paving. Address the Mayor.

Ala., Dothan—City had plans prepared by Heller & Mickle, Dothan for constructing 4½-mi. sand-clay road from here to Headland: also serveral concrete bridges.

Tenn., Clarksville—City plans paving portions Franklin and 3rd Sts., asphalt. S. R. Alexander, city engr.

Ky., Carrollton—City plans to build 3 concrete streets, Main, 5th and Court Sts.

Ky., Owensboro—County rejected bids completing road building program as too high. J. Weir, clk. Noted June 21.

O., Canton—**County plans paving 2½ mi. Louisville-Ravenna Rd. with state aid.** A. Sickafoose, co. surv.

O., Cincinnati—City soon lets contract paving Boudinot, Columbus, Davey, Glen Parker, Glen Armand, Kling, Laclede, Monteith, Minton, Central and Freeman Aves. and Concordia, Davoran, Haven, Tunnel and Terry Sts. F. Krug, city engr.

O., Cincinnati—City to issue $18,000 bonds for widening portion of Madison Rd. F. Krug, city engr. Noted June 7.

O., Cincinnati—Council passed ordinance to improve portions of Earnshaw and Hazlewood Aves. and Dayton St. F. Krug, city engr.

O., Elyria—City Council plans new highway through Foster Ave. from Elyria to South Lorain. About $35,000. C. M. Theobald, city engr.

O., Lima—City plans $45,000 bond issue for improving Elizabeth St. and building bridge over Ottawa River. C. Bryson, city engr.

O., Painesville—City to sell $2,000,000 bonds improving portions North St. Clair St. by grading, curbing and paving, brick on concrete foundation, also installing sewer and water mains. J. Crabbs, city engr.

O., Piqua—City passed ordinance to issue $13,450 bonds to pave certain streets. A. Schroeder, city engr.

O., Sandusky—City Comrs. plan $27,200 bond issue for paving Fulton, Adams and Division Sts. A. F. Johnston, city engr.

O., Steubenville—City plans paving portion Oregon Ave. J. M. Leech, city engr.

O., Toledo—City Council plans paving portion Water St., granite block. H. McKechnie, city engr.

O., Toledo—City election Sept. 2nd to vote on $508,000 bond issue for extending Summit St. from Perry St. to B'way. and diverting course of Swan Creek necessary to extend street. H. McKechnie, city engr.

O., Troy—See "Reinforced Concrete."

O., Youngstown—City to sell $32,000 bonds to pave portions Glenwood, and Mahoning Aves., Worthington and Thurman Sts., grade portion Florencedale Ave. and build sidewalks on portions of Alpine and Carlyle Sts., Donald, Helena, Indianola, Manhattan and Milton Aves.; also install sewers in Glenwood and Warren Aves. and Compbell St. F. M. Lillie, city engr.

Ind., Richmond—(Official)—County sold $48,000 bonds to improve Thomas G. Dunbar Highway, Center Twp. L. S. Bowman, aud. Noted June 28.

Ind., South Bend—City soon lets contract for paving portion Howard St. About $27,150. F. J. Anderson, engr.

Ind., Terre Haute—County soon lets contract paving portion 25th St., brick; also building Robert E. Gibbons' rein.-con. bridge over Lost Creek, Lafayette Rd. About $70,518 and $9700 respectively.

Ind., Terre Haute—County plans paving Ed. Sparks Rd., about $44,000.

Mich., Escanaba—City authorized repaving portions of Stephenson Ave., bitulithic, about $27,149; also resurfacing road between end of Harnett Ave. and Wells. W. J. Hodson, engr.

Mich., Pontiac—City plans sidewalks on portions Willard Ave., Whittemore, Osmun and Paddock Sts. W. J. Fischer, city engr.

Mich., River Rouge—City plans paving portions of Henry, Jefferson, Batavia, Burke, Victoria and other streets.

Ill., East Dubuque—City plans to pave 1st, Wall and other streets, tarvia, cement and asphaltic concrete. Tschirgi & Son, 712 American Trust Bldg., Cedar Rapids, Ia., engrs.

Ill., Kankakee—City soon lets contract paving portions East Court St., brick. About $52,370. R. D. Gregg, city engr.

Ill., Rockford—(Official)—Co. Rd. Supervs. soon lets contract paving 2-mi. on 11th St., concrete 18-ft. wide, 3-ft. macadam shoulders. About $49,000. A. R. Carter, co. supt. highways.

Ill., Springfield—Bd. Local improv. passed ordinance to pave portions of Vine St. and Woodland Ave., asphaltic concrete. About $27,994. W. D. Seeley, city engr.

Minn., Olivia—County plans to gravel Yellowstone Trail between here and Bird Island. A. Johnson, co. aud.

Kan., Hutchinson—City Comn. approved plans improving 1st Ave., E., North Madison St., streets in Hyde Park, North Washington, West Bigger, 18th 4th St. W. and 6th Ave. E. G. L. McLane, engr.

Neb., Omaha—City plans repaving 395 blocks. Address Comr. Parks., City Hall.

Neb., Wayne—County election, July 31, to vote on $30,000 bonds to pave streets and drain wet land.

N. D., Fargo—County having plans prepared by C. J. Estlund, asst. state engr., Bismark, building 17 mi. Meriden Rd.

Mont., Billings—County to sell $175,000 bonds building permanent highways. F. E. Williams, co. clk.

Mo., Caruthersville—City plans paving, grading and curbing portions West 6th St., tarvia filled macadam with concrete curbs and gutters. J. M. Ginnis, clk.

Mo., Kansas City—County rejected bids resurfacing and macadamizing Kansas City-Independence Rd. Noted July 19.

Arkansas—State Highway Comn., Little Rock, prepared plans estimating cost building 15-mi. road from Ft. Smith to Greenwood, 9 mi. from Harrisburg to Truman, Rd. Improv. Dist. No. 4, at $75,000 and $68,000 respectively; 23 mi. from Lake City to M. Missouri state line, Rd. Improv. Dist. No. 6, $148,000; 13 mi. from Pulaski co. line to Carlisle, $86,000.

Ark., Des Arc—County prepared plans 10-mi. road from Mesa to Carlisle, Rd. Improv. Dist. No. 5. About $59,000.

Ark., Forrest City—County plans to spend $400,000 building roads in Dists. Nos. 1 and 2.

Ark., Mena—City plans paving portions Porth Arthur Ave. and Neine St. M. Martin, clk.

Ark., Newport—County plans 52-mi. main line rock road and 8 mi. lateral road in Rd. Dist. No. 2; $25,000 bond issue voted for work.

Tex., Austin—Attorney General's Dept. approved $40,000 bond issue to pave and improve Plainview St. M. C. Welborn, city engr.

Tex., Dallas—County election, Aug. 31, to vote on $1,000,000 bonds to construct permanent hikhways.

Tex., Eastland—County election, Aug. 10, to vote on $130,000 bonds to build roads, Rd. Dist. No. 1. Noted Apr. 5.

Tex., Franklin—County voted $20,000 bond issue for improving and repairing roads and bridges.

Tex., Paducah—County election soon to vote on $400,000 bonds issue to build roads.

Tex., Pittsburgh—County election Aug. 6, to vote on $35,000 bonds to construct roads in Dist. No. 2. Noted May 31.

Tex., Plainview—State Atty. General's Dept., Austin, approves $40,000 bond issue to pave streets.

Tex., Port Lavaca—County election, Aug. 14, to vote on $75,000 bond issue to build roads in Rd. Dists. Nos. 1 and 2.

Tex., Stephenville—County plans election to vote on $100,000 bond issue for improving roads.

Tex., Wolfe City—City election Aug. 11, to vote on $100,000 bonds to construct roads.

Okla., Lehigh—County election soon to vote on $650,000 bonds to build roads and bridges.

Ariz., Globe—County to spend $154,705 building roads; ElCapitan highway included in project will cost $75,000.

Wash., Bellingham—County plans to spend $45,000 to pave and improve Pacific Highway between Bellingham and Everett.

Wash., Port Angeles—Co. Comrs. rejected bids clearing, grading, grubbing, bridging and graveling Permanent Highway No. 7. New bids soon. A. U. Blackwood, co. engr. Noted June 21.

Wash., Pullman—County rejected bids paving 8000 sq.yd. and extending water system in College Park Addition. New bids. About $15,000. Noted June 28.

Wash., Seattle—City plans to pave and grade Empire Way, cost, $262,425; concrete sidewalks Thorndyke Ave. et al, $40,000 A. H. Dimock, city engr.

Wash., Spokane—City rejected bids paving and grading portion Mallon Ave. About $23,500. M. Mac Cartney, city engr. Noted July 19.

Oregon—State Bd. Control, Salem, plans to issue $400,000 bonds to match federal appropriation for highway work in state.

Cal., Corcoran—City receiving bids in August paving 15 blocks on Whitly Ave., macadam.

Cal., San Diego—City prepared plans paving portion National Ave. About $15,720.

Streets and Roads (Continued)

Cal., **Santa Barbara**—Bd. Supervs. appropriated $50,000 bonds to build Cuyama Rd. Federal Government to bear part of cost of work.

Cal., **Santa Barbara**—La Mesa Permanent Road Assn., plans paving La Mesa Rd. from city limits to Arroyo Burro, thence Modoc Rd. to beach at mouth of the Arroyo. About $50,000. R. Wheeler, secy.

Que., **Portinuf**—Town soon lets contract paving 2-mi. macadam roads. A. Babin, engr.

Que., **Shawinigan Falls**—Town soon lets contract building highways. About $43,000. J. E. Meunier, secy.

Que., **Three Rivers**—City plans to pave streets, asphalt, and build highways. About $20,000 and $22,000 respectively. Z. Lambert, engr.

Ont., **Steelton**—City plans new concrete sidewalks. About $14,500. J. Robinson, city clk.

Sask., **Regina**—City plans laying pavements to cost about $47,000. A. W. Haddow, city engr.

B. C., **South Vancouver**—City received $10,000 from Provincial Government to improve Fraser Ave.

BIDS DESIRED

Vt., **Barre**—(Official)—Until July 30, by City, paving portion South Main St. F. O. Lee, city engr.; advertised in this issue.

N. Y., **Buffalo**—Until Aug. 2, by Bd. Pub. Wks., paving Columbia St., 40-ft. wide, Walnut St., 30-ft. wide, Burton, Allen and Hamburg Sts. G. A. Norton, city engr.

N. Y., **New York**—(Official)—Until Aug. 1, by Bronx Parkway Comn., paving portion Bronx River Pkway. J. Downer, engr. and secy.; advertised in this issue.

N. J., **Camden**—Until Aug. 7, by F. B. Lewallen, boro. clk., for building macadam streets with hot liquid asphalt surface and concrete gutters. J. C. Remington, Jr., 601 Market St., boro. engr.

N. J., **Kenilworth** — Until July 30, by Common Council for resurfacing boulevard 3880 sq.yd. macadam top and bituminous surface. J. W. Higgins, 52 Vanderbilt Ave., New York City, boro. engr.

N. J., **Paterson**—(Official)—Until Aug. 7, by Bd. Wks., paving Goodwin, Madison, Deremus, Temple, North 40th and Lyons Sts. and various avenues. H. J. Hardes, city engr. Noted July 12.

N. J., **South River**—Until July 30, by Bd. Freeholders for 10,327 sq.yd. pavement on Main and Ferry Sts. and Causeway. A. W. Bissett, clk.

Pennsylvania—(Official)—Until Aug. 14, by F. B. Black, state highway comr., Harrisburg, for road work as follows: Clarion Co., 14,126 ft. vitr. block, Clarion and Paint Boro.; 22,101 ft., Westmore, Boro.; Somerset Co., 6675 ft., Somerset Boro., Centre Co., 2454 ft., Bellefonte Boro., Venango Co., 7857 ft., Cornplanter Boro., Beaver Co., 23,546 ft. rein.-con., White and Big Beaver Boro.

Pa., **Kittanning**—Until Aug. 6, by Boro. Council, for grading, curbing and paving McKean Way Water Alley, Jefferson Alley and Walnut St. W. H. Mast, Keystone Bldg., boro. engr.

Pa., **Uniontown**—Until Aug. 10, by H. Kissinger, co. controller, furnishing and applying 6500 gal. asphalt on road from boro. line of Fayette City to bridge over Pittsburgh & Lake Erie tracks toward Wickhaven in Washington Twp.; also furnishing and applying 1800 gal. asphalt on road from Gillespie towards Brownsville in Washington Twp.

Ala., **Ashland**—Until Aug. 13, by Co. Comrs., grading and surfacing road between Lineville and here. W. G. Keller, state highway engr.

Miss., **Tunica**—Until Aug. 6, by Bd. Supervs., for building 41-mi. gravel road. W. Nicholas, pres. Y. W. Mashburn, Clarksdale, engr.

O., **Cincinnati**—Until Aug. 3, by Co. Comrs., improving portion Cooper Ave., Sycamore Twp., waterbound macadam.

O., **Cincinnati**—Until Aug. 6, by Bd. of Trustees of Cincinnati Southern Ry., Ingalls Bldg., for grading and paving Front St., in connection with building railroad track, granite paving and curbing and concrete sidewalks.

O., **Toledo**—Until July 31, by City, for repaving portions of Oak and Dorr St. and Stickney Ave. H. McKechnie, city engr. Noted June 7.

Indiana—By Co. Comrs. for building roads as follows: July 31: Indianapolis; gravel road Warren Twp. L. K. Fesler, aud. Aug. 6: Rushville; gravel road, Posey Twp. W. H. McMillan, aud. Nashville; gravel road, Hamblin Twp. O. Morrison, aud. Valparaiso; 2.07 and 2.02-mi. road, Center Twp. C. A. Blachly, aud. Franklin; gravel road, Blue River Twp. J. C. Gregg, aud. Evansville; 2 roads, Knight Twp. C. P. Beard, aud. South Bend; cement road, Penn Twp. A. F. Wolf, aud. Cannelton: macadam road, Troy Twp. M. C. Conway, aud. Aug. 7: Wabash: 2 roads, Chester Twp. F. P. Kircher, aud. Aug. 7 Bluffton; building stone streets, Uniondale and Petroleum Twps. C. T. Kain, aud. Columbus; 11,-71½-ft. gravel road, Flatrock Twp. W. H. Scott, aud. Brazil; stone and gravel road on line between Posey and Perry Twps. W. O. Graesser, aud. Kokomo; stone road, Clay Twp. W. L. Benson, aud. Rensselaer; stone roads, Carpenter and Marion Twps. J. P. Hamilton, aud. Bloomfield; macadam road, Richland Twp. G. E. Kidd, aud. Aug. 8: Lafayette; gravel road, Laramie Twp. G. W. Baxter, aud. Rockville; gravel roads, Penn and Adams Twps. C. Davis, aud. Lafayette; 2.83-mi. and 2.39-mi. brick road, Fairfield, Twp. G. W. Baxter, aud. Aug. 10: Corydon; 17,142-ft. stone road, Franklin, Harrison and Jackson Twps. S. C. Mauck, aud. Aug. 11: Vernon; crushed stone road, Center Twp., bituminous binder roads, Vernon and Center Twps. G. J. Bernhart, aud. Aug. 13: South Bend; 2 gravel roads, Penn Twp. A. F. Wolf, aud. Aug. 20: Huntington; gravel road, county line. O. E. Eviston, aud.

Ind., **Indianapolis**—(Official)—Until Aug. 8, by Bd. Pub. Wks., improving portion roadway St. Clair St., wood block, asphalt, bitumbinous concrete or brick. B. J. T. Jeup, city engr.

Wis., **Fond Du Lac**—Until Aug. 3, by City Clk., paving and grading portion Oshkosh Rd., rein.-con. base of 3½- to 5-in. concrete and 1½-in. cement sand and granite wearing surface. J. S. McCullough, engr.

Minn., **Center City**—Drainage—Until Aug. 9, by A. F. Stromgren, co. aud., clearing 46 acres, grubbing 21.8 acres, grading 122,-621-cu.yd. side ditching, 10,717-cu.yd. offtake ditching, 34,020-cu.yd. gravel surfacing, 37,702-cu.yd. clay surfacing, etc.

Mont., **Billings**—(Official)—Until Aug. 7, by J. M. Bresnahan, city clk., 18,000 sq.yd. asphaltic concrete, bitulithic, concrete or asphaltic macadam, concrete gutters, storm sewer, etc. About $54,000. E. M. Sneckenberger, city engr.

Mo., **Poplar Bluff**—Until Aug. 6, by E. C. Thomas, city engr., 10,394 sq.yd. pavement, 6- and 5-in. bituminous, 1811 cu.yd. grading, 5848-ft. curbing. About $20,000.

Mo., **Richmond**—Until July 31, by City, for 6000 yd. brick block paving and 2900 ft. curbing. W. H. Kirham, city engr.

Ida., **Wallace**—Until Aug. 7, by D. H. DeLong, city clk., paving certain streets and alleys. About $50,000.

Wash., **South Bend**—Until Aug. 9, by Bd. Co. Comrs., for clearing, grubbing, grading, draining and furnishing crushed rock macadam surface over 1½-mi. Columbia-North Bank Highway, from Chinook to River Bridge. S. B. Henry, co. engr.

California—(Official)—Until Aug. 6, by State Highway Comn., 515 Forum Bldg., Sacramento, paving 9.3-mi. from El Capitan Creek to Alcatraz (V-SB-2-F) and 7.7-mi. from Elwood to El Capitan Creek (V-SB-2-G) Santa Barbara Co., Portland cement concrete. A. B. Fletcher, highway engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★N. H., **Claremont**—City let contract paving Main and Pleasant Sts., involving about 8000-sq.yd. pavement, 2000 lin.ft. concrete curb, 1000-ft. sewers to Rolie Consolidated Concrete Co., 936 Elm St., Manchester, $22,679. Noted June 14.

★**Massachusetts**—State Highway Comn., Boston, let contract surfacing 7500-ft. state highway in Lincoln Twp. to R. F. Hudson, Melrose. About $30,000.

★**Massachusetts**—State Highway Comn., Boston, let contract building section highway in Washington Twp., to Suzio Constr. Co., State and Brooks Aves., Meriden, Conn., $109,899. Noted July 5.

★**Mass., Boston**—City let contract asphalt pavement to Central Constr. Co., 228 Southampton St., Roxbury, $119,975.

Mass., Dorchester—City received low bids for granite block paving on Dorchester Ave., from J. Doherty, 133 Calumet St., Roxbury. About $40,335.

★**Mass., Dorchester**—City let contract artificial stone sidewalks on Adams, Belfort, King and Rosemont Sts. and Dorchester and Neponset Aves., to D. M. Biggs & Co., 60 Marsh St. About $24,741.

★**Mass., Peabody**—City let contract building tar macadam roadway to A. G. Tamasello, 69 Gibson St., Dorchester. About $35,000.

★**R. I., Providence**—City let contract 13,-000 yd. asphalt pavement, Chalkstone Ave., to Warren Bros., 142 Berkeley St., Boston, $30,000.

N. Y., Brooklyn—L. H. Pounds, boro pres., received low bids improving Prospect Plaza from Brooklyn Alcatraz Asphalt Co., 2306 Creston Ave., New York City, $52,543; Borough Asphalt Co., 1301 Metropolitan Ave., $54,473; Cranford Co., 190 Montague St., $56,333.

★**N. Y., Moravia**—Village let contract paving to Soper & Son, Seneca Falls. About $10,299.

★**N. Y., Olean**—(Official)—City let contract paving portions 9th St., brick, to Loomis & King, Central Trade Bldg., Altoona, Pa., $16,196. Noted June 28.

★**N. Y., Rochester**—City let contract paving Genesee Rd. to Whitmore, Rauber & Vicinus, 279 South Ave. About $104,406. Noted July 12

★**N. Y., St. Johnsville**—(Official)—City let contract 12,000 sq.yd. bituminous pavement on concrete foundation, and about 2000 ft. 18- and 20-in. storm sewers on North Division and Center Sts., to C. E. Weed Co., Albany, $40,122. Noted June 28.

★**N. J., Belvidere**—Bd. Freeholders let contract resurfacing 5-mi. Blairstown-Columbia Rd. to Salmon Bros., 526 Elm St., Arlington, $37,529. Noted June 28.

★**N. J., Elizabeth**—County let contract repaving portion Terrill Rd., amiesite, involving 1248 tons bituminous concrete, 306-lin.ft. french underdrain grading, 9359 lin-ft. gutters and shoulders to C. H. Winans Co., 207 Broad St., $17,821. Noted July 12.

★**N. J., Montclair**—City let contract paving Bellville Ave. and Park St., Warrenite, to Standard Bitulithic Co., Essex Bldg., Newark, $71,706 and $197,854 respectively

★**N. J., Mt. Holly**—Bd. Freeholders let contract paving road from Pemberton to Lewistown, concrete, 1½ mi., to Utility Constr. Co., 46 Paterson St., New Brunswick, $36,273: Mt. Holly to Chambers Corner, asphalt, 3 mi., Eastern Paving Co., Penn Sq. Bldg., Phila., $42,102. Noted July 19.

N. J., New Brunswick—Bd. Freeholders received low bid paving Main, Ferry, Causeway and South River Sts.; also New Brunswick-Old Bridge Turnpike from T. H. Riddle, 102 Church St., $63,100 and $27,-838 respectively. Noted June 14.

★**N. J., Paterson**—(Official)—City let contract paving portion Dale Ave., granite block, to L. Cramer, 99 Ward St., $11,000. Noted July 12.

★**N. J., Princeton**—Boro. let contract rebuilding 11,273 sq.yd. Stockton St., Warrenite surface, to Reardon Co., Princeton. About $34,634. Noted July 12.

★**Pa., Lebanon**—City let contract paving 5th, 6th, 7th, and New Sts. to Mangan, Pugh & Dolan, Pottsville, $41,699.

★**Pa., Sharon**—City let contract paving portion State St., wood block, to W. McIntyre & Sons, South Irvine Ave., $4.66 per sq.yd.

★**Md., Cumberland** — City let contract paving portions 7 streets, involving 18,000-sq.yd. concrete paving and 900 lin.ft. concrete curb to W. H. Robertson, Bay 35th St., Brooklyn, N. Y. Noted June 28.

Md., St. Michaels—City received low bid concrete road from here to Claiborne, from Shaffer & Williams, Easton. About $30,000.

★**Va., Norfolk**—City let contract paving Queen St. to Lawson Constr. Co., Essex Bldg. About $17,000.

★**W. Va., Fairmont**—County let contract building 15-mi. improved roads and streets to Meredith Constr. Co., Fairmont. Noted May 24.

Streets and Roads (Continued)

★**W. Va., Logan**—County let contract building dirt road, bridges and culverts from Holden to Blair, 14-mi. to Hunt-Forbes Constr. Co., Logan. About $200,-000.

★**W. Va., Winfield**—County let contract 4-mi. concrete highway to Miller Constr. Co., Gallipolis, O.; Brown & Floyd, Charleston; Duvall Bros., Huntington; Ohio Valley Constr. Co., Point Pleasant, $1.80 per sq.yd.

★**Fla., Panama City**—Co. Comrs. let contract building roads to Maxon-Smith & Co. and Jordan & Phillips, Montgomery, Ala., $140,000; road and bridge work to T. B. Young, Snead, $130,000 and $30,000 respectively.

★**Fla., St. Augustine**—Bd. Co. Comrs. let contract furnishing 700,000 paving bricks to be used in building 4-mi. St. Augustine Rd. No. 2 to J. Y. Wilson, Clarke Bldg., Jacksonville, $20.25 per M.

★**Ala., Bessemer**—(Official)—City let contract paving 2nd Ave. to Sullivan, Long & Hagerty, Bessemer, $2.25 per sq.yd.

★**Ala., Gadsden**—City let contract paving portions Montgomery Ave., 5th and Walnut Sts. to J. F. Morgan & Co., Gadsden, $28,-916.

Ala., Selma—(Official)—City received low bids paving 25,000 sq.yd. Alabama and Selma Aves., asphalt, asphaltic concrete, bitulithic or brick, from Jamison & Hallowell, Dunn Constr. Co., Chahmber Commerce Bldg., Birmingham; Alabama Paving Co., Amer. Trust Bldg., Birmingham. W. R. Crisman, city engr. Noted June 28.

Tenn., Erwin—(Official)—City received low bid paving and grading 14,000-sq.yd., concrete curb and gutter, sidewalks; also installing storm sewers with sanitary house connections from Murray Constr. Co., Holston Natl. Bank Bldg., Knoxville. Noted June 21.

★**Ky., Carrollton**—City let contract paving, including excavation and curbing, concrete, portions Main, 5th and Court Sts., etc., to Masters Constr. Co., Seymour, Ind., $2.40 yd.

★**Ky., Danville**—(Official)—Bd. Council let contract improving portion Main St. to Federal Asphalt Paving Co., Hamilton, O., $24,000. Noted June 21.

★**Ky., Winchester**—County let contract building 6 mi. state aid road to B. S. Haggard, Winchester.

★**O., Akron**—County let contract paving portion Wolf Ledge Run to E. & W. Mashaffery, $63,000.

★**O., Ashtabula**—County let contract to T. P. Fitzgerald for paving 5¼ mi. of Ashtabula-Plymouth Rd. About $106,568.

★**O., Columbus**—Co. Comrs. let contract improving Starrett Rd., Clinton Twp., and macadamizing Phillipi Rd., Franklin Twp. to T. Vogelberg, Columbus, $9648 and $11,-103 respectively; paving 1 mi. Agler Rd., Mifflin Twp., brick to A. W. Burns Co., 55 East State St., $62,527.

★**O., Dayton**—City let contract paving portion of Grand St., wood block, to W. J. Kernan, & Co., $45,517.

★**O., East Liverpool**—City let contract paving Bradshaw Ave. to Rinehart Bros., 7th St., $15,763. Noted July 5.

★**O., Fremont**—City let contract paving 2nd section North Front St., to Modern Constr. Co., Fremont, $19,000. Noted June 28.

★**O., Kenton**—County let contract building Strahm Pike to H. L. Williams, Shope & Druscnell; Kenton-Lima Pike to J. G. Tressel and W. H. Craft Co., $19,600; Hitslep Pike to W. Sousley, $14,352; Lutz & Davis Pike to Sheppard, Bros., $11,500.

★**O., Marysville**—Co. Comrs. let contract York Kenton and Marysville Pike to C. S. Grindell, Richmond, Ind., $20,800; Delaware and Bellefontaine Pike, C. Herd, Marysville, $22,412; Bethel and Raymond Pike, Creviston & Johnston, West Mansfield, $5500.

★**O., Medina**—(Official)—County let contract grading, draining and paving West Salem-Elyria Rd. to Crawford Little Co., Elyria, $12,671.

★**O., Napoleon**—County let contract building Oklano Rd. to J. A. Westrick, Holgate, $64,600.

★**O., Newark**—City let contract water-bound macadam road between Croton and Sunbury to A. Gladhill, Galion, $22,150. Noted July 5.

★**O., New Lexington**—County let contract paving highway between Shawnee and New Straitsville to Houston & Henderson, Logan. About $15,650. Noted May 4.

★**O., Portsmouth**—City let contract paving 21st St., to S. Monroe & Sons, $13,357. Noted July 5.

O., Sandusky—City received low bids paving 9th St. from Central Constr. Co., Fremont, $36,027. Noted July 19.

★**O., Springfield**—(Official)—City let contract improving and paving portion Sherman St. to R. J. Kavanaugh, Springfield, $11,628. Noted July 12.

★**O., Toledo**—City let contract paving Austin and Pontiac Sts. to H. Streicher Co., 317 Terminal Bldg., $20,000 and $8400 respectively; Hawthorne St. to Asphalt Block Paving Co., $17,200. Noted July 12.

★**O., Wapakoneta**—City let contract building 13,530 sq.yd. asphaltic concrete and vitr. block pavement, including 6120 cu.yd. grading, to H. P. Streicher Co., 317 Terminal Bldg., Toledo, $42,680. Noted Apr. 26.

Ind., Logansport—City received low bids paving Miami St. from Andrews Asphalt Paving Co., Hamilton, O., $2.05 per sq.yd.; Bell & Hall, $1.48 for Bermuda Asphalt.

★**Mich., Adrian**—(Official)—County let contract improving 4½-mi. road, Dover Twp. to Hayes & Clark, Quincy, $24,455. Noted May 24.

Mich., Detroit—City received low bid asphaltic concrete pavement on concrete foundation, Amherst curbstone on portions of Kercheval and Grey Aves., from Detroit Asphalt Paving Co., McGraw Bldg., $90,870; St. Joseph St., $34,170; Homer Ave., $18,-887.

★**Illinois**—State Dept., Springfield, let contracts hard roads in northern part of state as follows: Cook Co., Sect. P, concrete, to Chicago Heights Constr. Co., Chicago Heights, $69,996; Sect. Q, concrete, to Connelly & Dunning, 133 West Washington St., Chicago, $50,968; Knox Co., Sects. F and G, combination bids, to Cameron & Joyce Co., Keokuk, Ia., $12,827. Madison Co., concrete, Sect. B, A. Fahrig, $9965, Sect. E, G. R. Hyten, $8869, Sect. F. J. Keel, $9822.

★**Ill., Grayville**—County let contract constructing 6½ mi. gravel rd. in Hawthorne Twp. to Arkansas Constr. Co., Mt. Vernon, Ind.

★**Ill., Grayville**—(Official)—City let contract 15,813 sq.yd. brick paving, 25,483 sq.yd. tar macadam paving, 30,107 ft. curb and gutter and 7918 ft. storm sewers to J. R. Crews, Fairfield, $113,124. Noted July 12.

★**Wis., Racine**—City let contract laying concrete road portion Rapids Dr. to J. Griffiths, Racine, $20,000.

★**Ia., Des Moines**—City let contract paving portions Carpenter, Meek, Mondamin, College, Enos, Indian, East Court, Olive Ave., 20th, 21st, Crocker, Ascension, and other streets, to Des Moines Asphalt Paving Co., 2nd and New York Aves., $2.09 per yd. About 10,000 yd.

★**Minn., Rochester**—City let contract grading Kansas, Beaver, 6th, Cherry and Pearl Sts., to Feller Bros.

★**Mo., St. Joseph**—City let contract resurfacing portion of Felix, Frances and Angelique Sts.; also paving Sycamore St., to Metropolitan Paving Co., 7th and Olive Sts.

★**Arkansas**—State Highway Comn., Little Rock, let contract 5½-mi. road from Iron Mountain tracks to Little Rock cantonment to M. D. L. Cook, 315 Southern Trust Bldg., $114,000. Noted July 12.

★**Arkansas**—State Highway Comn., Little Rock, let contract building 10 mi. road from Des Arc to Coloychie Bay, Dist. No. 5, to J. G. Galloway, Cordova, Tenn., $92,000.

★**Ark., Wynne**—Comrs. Rd. Improv. Dist. No. 1 let contract 18½-mi. gravel road to Shinn & Ammerman, Noodesha, Kan., $75,-812. Noted May 31.

★**Colo., Pueblo**—City let contract paving streets, South Side Paving Dist., to Axton & Spraten, 35th and Julian Sts., Denver, $350,000. Noted June 14.

★**Wash., Camas**—City Council let contract paving 3rd St. to United Contr. Co., Northwest Bank Bldg., Portland, $13,001.

★**Wash., North Yakima**—(Offic[illegible] County let contract improving 3.4-mi[illegible]hway between Union Gap and Par[illegible] to Washington Paving Co., L. C. Smith [illegible]g., Seattle, $35,988. Noted June 28.

★**Wash., Seattle**—County let co[illegible]ct paving road Auburn to Enumclaw to [illegible]ser Paving Co., Everett, $91,430. Noted [illegible]ly 12.

★**Wash., Seattle**—Bd. Pub. Wks. let [illegible]ntract paving 50th Ave., S., to Sc[illegible]or Constr. Co., 1642 Lane St., $10,427. [illegible]ed July 12.

★**Ore., Coquille**—Co. Comrs. let co[illegible]ct building Summer-Coos City Rd. to Mo[illegible] & Gidley, Coquille, $26,204.

★**Ore., Hubbard**—City let contract [illegible],000 yd. rockolite paving to Walton Paving Co., Hubbard, $1.05 per yd.

★**Cal., Eureka**—City let contract grading Buhne St. to Elsmere & Jacobs, Eureka, $15,881.

★**Cal., Fresno**—City let contract to Thompson Bros., Fresno, grading and [illegible]ing Iowa St., $11,658; paving White's Bridge Rd. and B St., $1.55, grading, $11.95 paving, $45 curbing and $17.50 gutter.

★**Cal., Martinez**—Bd. Supervs. let contract building county highway No. 6 to Tibbitts-Pacific Co., Martinez, $96,366. Noted June 21.

★**Cal., Richmond**—Co. Bd. Supervs. let contract building concrete highway between Walnut Creek and Bay Point to O'Brien Bros., 240 Montgomery St., and Tibbitts Pacific Co., 16 California St., both of San Francisco, $220,000.

★**Cal., Richmond**—City let contract paving streets, Canal subdivision, to J. E. Staniger, Richmond, $47,904.

★**Cal., San Jose**—(Official)—County let contract improving Saratoga-Los Gatos Rd. to J. W. McDonald, Jr., $53,598; Mc.Laughlin Ave., San Carlos St., Lewis Rd. to B. Ransome, Inc., Grand Ave. and Harrison St., Oakland, $41,880, $7480 and $8200 respectively. Noted June 21.

★**Cal., Ventura**—County let contract to H. Hudson, Marsh-Strong Bldg., Los Angeles, for improving Division 9 and 10, including grading, paving and constructing concrete culverts on 14.3 mi. highway from Moorpark to Dillon. About $54,193.

★**Cal., Ventura**—Bd. Superv. let contract grading and building 4-in. concrete pavement, concrete and corrugated iron culverts on 7.54 mi. Div. Y, Sect. 2, La Crosse to Nordhoff Rd. to C. H. Hudson, Marsh Strong Bldg., Los Angeles, $34,422; 6.01-mi. Div. 4 Piru to county line to Brashear-Burns Co., Wilshire Blvd. and La Brea Ave., Los Angeles, $19,968. Noted July 19.

★**Cal., Ventura**—County let contract paving 2.2 mi. highway through Oxnard, Warrenite, 16 ft. wide, to Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Ageles, $21,587.

★**Cal., Visalia**—Co. Comrs. let contracts grading, building concrete pavement and corrugated iron pipe culverts, labor and equipment only (county to furnish cement, sand and rock) on 10.48-mi. Richgrove-Ducor Rd. to Highway Constr. Co., San Bernardino, $71,473; 9.99-mi. Porterville-Terra Bella Rd. to Brady & Flynn, San Francisco, $59,000; 7.6-mi. Exeter-Lindsay Rd. to M. T. Shafer, 1614 Temple St., Los Angeles, $46,671; 8.06-mi. Tulare-Goshen Rd. to J. E. Lee, Pasadena, $35,681. Noted June 7.

★**Cal., Visalia**—Co. Bd. Superv. let contract paving 27-mi. southern division Tulare Co. highway system, warrenite, to A. Teichert & Son, Oschner Bldg., Sacramento, $141,523. Noted July 19.

★**Cal., Yuba City**—City let contract paving portion 2nd and Bridge Sts. to Federal Constr. Co., Sharon Bldg., San Francisco, $24,651. Noted July 5.

★**N. B., Moncton**—City let contract building and improving roads to Carritte-Paterson Co., Ltd., 89 Water St., St. John, $16,000.

★**Que., Grandmere**—Town let contract building macadam road to L. A. Beauchemire, $18,000.

★**Ont., Galt**—City let contract paving Main St. to Standard Paving Co., Ottawa, $27,000.

★**Ont., Ottawa**—City let contract paving to O'Leary's Ltd. Banque Natl. Bldg. About $38,000.

RAILWAYS—STEAM & ELECTRIC

Proposed Work

Utah—Salt Lake, Garfield & Western R.R. plans electrification of line. About $50,000. J. Nelson, Salt Lake City, genl. mgr.

Washington—Union Pacific Ry. plans to build 3½-mi. marginal way spur track in Seattle from Spokane St. to city limits. Northern Pacific R.R., Great Northern and Chicago R.R. and Milwaukee & St. Paul Ry. will share cost. R. L. Huntley, Omaha, ch. engr., Union Pacific.

California—Atchison, Topeka & Santa Fe R.R. plans to build 4-mi. spur track in Santa Fe Springs. W. G. Harris, Kerckhoff, Los Angeles, ch. engr.

California—Orange Co. Supervs. granted franchise to Pacific Electric R.R. to extend traction line from Santa Ana to Tustin. G. E. Pillsbury, Los Angeles, ch. engr.

California—San Diego & Southeastern R.R. plans to rebuild line from Santee to Foster. About $75,000. J. D. Spreckles, Union Bldg., pres.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Quebec**—Canadian Pacific Ry. let contract grading work from London to Guelph, involving sidings, bridges, etc., to Sherwood Constr. Co., Mail Bldg., Toronto, $185,000.

EXCAVATION AND DREDGING

Proposed Work

Ia., Council Bluffs — Drainage — J. H. Mayne, co. engr., prepared plans diverting Indian Creek and confining it to concrete channel through city. About $844,093.

Minn., Breckenridge—Ditch—Co. Comrs. voted to build Co. Ditch No. 31. P. E. Traux, aud.

Neb., Lincoln—Drainage—A. Edgren, co. engr., preparing plans to straighten Middle Creek near West O St., D.D. No. 1. A. E. Sutherland, clk.

Neb., Wayne—Drainage—See "Streets Roads."

Tex., Orange—Irrigation—Orange Co. Irrigation Co. plans to build large irrigation pumping plant recently destroyed by fire.

Cal., Madera—Irrigation—Madera Irrigation Dist. had plans prepared by L. C. Hill, engr., 1112 Hollingsworth Bldg., Los Angeles, for diverting water from San Joaquin, Fresno and Chowchilla Rivers and tributaries to irrigate 400,000 acres land in Merced and Madera Cos. About $10,000,000. Noted Apr. 5.

BIDS DESIRED

N. J., Jersey City—Dredging—Until Aug. 7, by City Comrs., dredging and deepening Hudson River, foot of Morgan St. Pier. C. A. Van Keuren, city engr. Noted July 12.

Ill., Cadwell—Drainage—Until Aug. 4, by Comrs. Cadwell D.D. at office of W. M. Davis, for open ditch involving 45,000-cu.yd. exca. J. W. & E. C. Craig, Mattoon, attys.

Ill., Lewiston—Drainage—Until Aug. 10, by Comrs. West Matanzas Drainage and Levee Dist., laying 4200-ft. 16-in. tile. J. H. Wehner, comr. A. Onion, clk.

Ill., Paxton—Drainage—Until Aug. 6, by Cloud & Thompson, attys., redredging main ditch, Wall Twp. D.D., length 41,608-ft. yardage 73,796; lateral No. 2, length 3800-ft., yardage 4000; new work extended into main ditch 7780-ft. long.

Ia., Des Moines—(Official)—Drainage—Until Aug. 20, by J. M. Wells, engr., Nevada, for Joint Dist. No. 1, Polk and Storey Cos., involving 16,629 ft. 18-, 26- and 34-in. tile. About $26,405. Former bids rejected. F. J. Alber, clk. Polk Co. F. E King, clk. Story Co. Noted July 12.

Ia., Ft. Madison—(Officil)—Drainage—Until Aug. 7, by C. T. Hull, co. aud. building drainage pumphouse; advertised in this issue.

Ia., Rockwell City—Drainage—Until Aug. 3, by R. B. Dixon, co. aud., improving main open ditches and building tile drains, Joint D.D. Nos. 9 and 13, main ditch 82,285-ft. 18- to 5-ft. bottom, 130,550-cu.yd., laterals 17,738-ft. 6-ft. bottom, 19,000-cu.yd., tile branches involve 56,800-ft. 7- 8- 10- 12- 14- 16- 18- 20- 22- 24- and 36 in. tile.

Minn., Marshall—Ditches—Until Aug. 4, by E. S. Shepard, co. aud., building Co. Ditch No. 32, involving 54,550-ft. 5- 6- 7- 8- 9- 10½- 14- 16- 20- 22- 24- and 26-in. tile, cost, $22,754; Ditch No. 37, 29,756-ft. 5- 6- 7- 8- 9- 10- 12- 14- 16- 18- 20- 22- and 24-in. tile, $12,667; 54, 299-cu.yd. open ditch, $7601; Ditch No. 38, 28,858-ft. 5- 6- 7- 8- 9- 10- 12- 15- 18- and 24-in. tile, $11,655.

Minn., New Ulm—Drainage—Until Aug. 5, by L. F. Vogel, co. aud., building D.D. No. 33. Work involves main open ditch, 3-mi. long, 8-ft. wide at bottom, average depth 8-ft. involving 131,200-cu.yd. excav. and 171,851-ft. 6- to 32-in. tile. F. D. Minium, co. engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Fla., Arcadia**—Drainage—F. B. Wilcoken, pres. bd. supervs., let contract 33-mi. open drainage ditches to W. B. Williams, Oviedo, $51,581. Noted June 14.

★**O., Cleveland**—Excavation—Bd. Control let contract excavating for public hall to F. R. Jones Co., Citizens Bldg., $44,890.

★**Ia., Estherville**—Drainage—County let contract Ditch No. 87 to Cement Products Co., $14,444.

★**Ia., Glenwood** — (Official) — Ditch — County let contract Silver Creek Ditch No. 1 to Phelan & Shirley, Glenwood, 7c. per cu.yd. Noted June 21.

Ia., Nevada—(Official)—F. E. King, co. aud. received low bids building ditches and drains, Richland Twp. D.D. No. 81, from J. McKillip, Faribault, Minn., 19½c. per cu. yd., open work; Fry & Hankins, Cole, $11,533 labor; Macomb Sewer Pipe Co., $23,982 tile. Noted July 12.

★**Minn., Cambridge**—(Official)—Ditch—G. C. Smith, co. aud., let contract Co. Ditch No. 16 to Petersen & Olson, Stauchfield, $16,145. Noted July 5.

★**Minn., Chaska**—(Official)—Ditch—J. B. Connelly, co. aud., let contract dredging Co. Ditch No. 6 to Central Contr. Co., Minneapolis, $14,567. Noted May 31.

★**Minn., Redwood Falls**—Ditch—County let contract Ditch No. 121 to J Gerding, Redwood Falls, $14,000. Noted July 5.

★**N. D., Fargo**—(Official)—Dredging—County let contract 800,000-yd. floating dredge work, Drain No. 21 to W. J. Hoy & Co., Metropolitan Bldg., St. Paul, 12c. per yd.

INDUSTRIAL WORKS

Proposed Work

Mass., Boston—Armour & Co., 43 Commercial St., plans 6-story, 74 x 213-ft., brick refrigerator warehouse. About $200,000.

Mass., Cambridge—Swift & Co., 60 North Market St., Boston, plans 5-story, 60 x 80-ft. addition to plant. A. E. Bump, 60 North Market St., Boston, archt.

N. Y., S. I., Milliken—(Port Richmond P. O.)—Downey Shipbuilding Corp., 120 Bway., New York City, plans 6 machine shops. Milliken Bros. Inc., 111 Bway., New York City, engrs.

N. J., Bayonne—Hudson Mill Supply Co., 373 Bway, plans to build factory. About $100,000.

N. J., Jersey City—American Can Co., 120 Bway, New York City, negotiating with City Comrs., for permission to build new plant at Grand St. and Cornelison Ave. About $500,000.

N. J., New Brunswick—T. A. Gillespie Co., purchased 640 acres in Sayreville Twp. and will build plant. About $3,000,000.

Pa., Phila.—See "Reinforced Concrete."

Md., Baltimore—H. E. Crook, 28 Light St., recently incorporated, has increased capital stock from $120,000 to $250,000. Company plans to build shipbuilding plant. H. E. Crook, pres.

Md., Sparrows Point—(Baltimore P. O.)—Bethlehem Steel Co., c/o Tobias, South Bethlehem, receives bids about Aug. 1, for 1-story, 65 x 200-ft. plant. About $200,000.

Ga., Moultrie—Moultrie Packing Co. plans 4-story, 80 x 80 ft. addition to storage plant here. E. L. Brooks, mgr.

Ga., Savannah—Cambria Steel Co., 165 Bway., New York City, plans large shipbuilding plant near here.

Fla., Pensacola—Georgia, Florida & Alabama Ry. plans to build shops here. About $50,000. R. B. Coleman, Bainbridge, ch. engr.

La., New Orleans—Dixie Steel Corp., Metropolitan Bank Bldg., plans 60 x 200-ft. iron and steel plant. About $250,000.

O., Akron—Kendall Tire & Rubber Co., Ohio Bldg., plans steel and brick plant. About $100,000. W. C. Owen & Co., 1900 Euclid Ave., Cleveland, archt.

O., Cleveland—Parish & Bingham Co., Madison Ave. and West 106th St., receives bids about Aug. 1 for brick and steel garage and shipbuilding plant. About $225,000. E. McGeorge Leader-News Bldg., archt.

O., Orrville—Ohio Blower Co., 5125 Perkins Ave., N. E., Cleveland, is having plans prepared for new factory by E. McGeorge, archt., Leader-News Bldg., Cleveland. About $150,000.

O., Toledo—Maumee Ice & Storage Corp., c/o Central Products Co., 237 Ottawa St., plans 6-story, 100 x 127-ft. cold storage plant. L. M. Levine, Room 1855, 120 Bway., New York City, ch. engr. A. McLean, Hotel Michigan, supt. of constr.

O., Youngstown—Barrett Co., 12 Poland Ave., plans new addition to plant. About $50,000.

Mich., Detroit—City will build 1- and 2-story, rein.-con. and steel repair shop for fire dept. on Russel St. About $90,000.

Ill., Chicago—W. F. Hall Printing Co., 466 West Superior St., plans 7-story, brick and stone plant at Chicago, Townsend, Kinsburg and Superior Sts. About $900,000. Glaver & Dinkelberg, archts.

Ill., Peoria—Holt Mfg. Co., West Washington St., East Peoria, plans 1-story, 140 x 300-ft. foundry. About $100,000. Postle & Fisher, 140 South Dearborn St., Chicago, archts.

Wis., Milwaukee—See "Reinforced Concrete."

Wis., Milwaukee—L. Teweles Seed Co., 113 Clybourn St., receives bids about Sept. 1, for 7-story, 150 x 180-ft. rein.-con. and brick, seed elevator and warehouse. About $200,000. Fraser Co., 667 East Water St., mill engr.

Wis., Milwaukee—J. Wilde Evaporated Milk Co., 67 East Long St., Columbus, plans 2-story, 100 x 220-ft., brick and steel plant and boiler house here. About $200,000.

Ia., Sac City—City plans election, August 3, to vote on $60,000 bonds issue for light plant. T. H. Stalford, mayor.

Minn., Minneapolis—Green Mountain Investment Co. plans 6-story warehouse at 714 Washington Ave. About $100,000.

Tex., Waco—Exporters & Traders' Compress & Warehouse Co., 10½ South 6th St., plans warehouse in East Waco. About $50,000.

Cal., Berkeley—Philadelphia Quartz Co. plans to build plant here. About $100,000. A. C. Elkington, pres.

Cal., San Diego—A. J. Savage Munitions Co., San Diego, plans factory here. First unit to cost about, $175,000.

Cal., San Francisco—Union Iron Works plans addition to plant here. About $2,000,000. J. A. McGregor, 224 Spear St., pres.

BIDS DESIRED

Vt., Bennington—Until Aug. 1, by Bennington Garage Co., 3-story, 97 x 209-ft. garage and office building. About $80,000. E. W. Williams, prop. P. W. Thayer, Bennington, archt.

Mich., Mottville—(Official)—Until Aug. 6, by G. S. Williams, engr., Cornwell Bldg., Ann Arbor, for rein.-con. and brick power house, etc.; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—Quincy Market Cold Storage & Warehouse Co., 153 Commercial St., let contract 11-story, 140 x 152-ft. storage plant to Turner Constr. Co., 45 Milk St.

★**Mass., Boston**—See "Reinforced Concrete."

★**Mass., Quincy**—Fore River Shipbuilding Co. let contract 1-story, 135 x 150-ft., steel and galvanized iron machine shop and 72 x 150-ft. boiler shop, to Aberthaw Constr. Co., 27 School St., Boston.

★**N. Y., Long Island City**—See "Reinforced Concrete."

★**N. Y., Utica**—Savage Arms Corp. let contract 50 x 220-ft. and 1-story, 34 x 270-ft. machine shop and 1-story, 40 x 80-ft. dry kiln, to J. G. Brown, Witherspoon Bldg., Phila.

★**Pa., Hazelton**—Jeansville Iron Works, c/o Worthington Pump & Machine Co., let contract 1-story, 51 x 336-ft. machine shop to J. G. Brown, Juniper and Walnut Sts., Phila. About $50,000.

Industrial Work (Continued)

★**Pa., Phila.**—See "Reinforced Concrete."

★**Md., Baltimore**—Baltimore Dry Docks & Shipbuilding Co., 1720 Thames St., let contract warehouse and office, rein.-con. and brick, to West Constr. Co., Amer. Bldg. About $50,000.

★**O., Cleveland**—Bloomquist Eck Machinery & Mfg. Co., 205 St. Clair St., let contract 1- and 3-story, 60 x 200-ft. machine shop to A. G. McKee & Co., 1301 Rockefeller Bldg. About $60,000.

★**O., Cleveland**—Federal Improv. Co., 6211-15 Carnegie Ave., let contract 40 x 230-ft. brick addition to warehouse to Hunkin-Conkey Constr. Co., 321 Cuyahoga Bldg. About $88,000.

★**O., Cleveland**—Ideal Tire & Rubber Co., 503 Union Bldg., let contract brick and steel plant to Hunkin-Conkey Constr. Co., 321 Cuyahoga Bldg. About $100,000. Noted June 7.

O., Cleveland—White Co., East 79th and St. Clair Sts., let contract 120 x 500-ft. factory to Walsh Constr. Co., Citizens Bldg. About $350,000.

★**Ind., South Bend**—Studebaker Corp., Administration Bldg., let contract factory, Kendall and Garst Sts., to J. Stewart Co., 30 Church St., New York City. About $150,000.

Ill., Chicago—Staver Motor Car Co., 3021 South Michigan Ave., let contract 3-story, 110 x 175-ft. service building to Pleas Constr. Co., 30 North LaSalle St. About $125,000. Noted May 24.

★**Wis., Kenosha**—Cooper Underwear Co. let contract 4-story, 50 x 118-ft. addition to A. Lund Constr. Co., 19 South LaSalle St., Chicago. About $50,000. Noted June 28.

★**Wis., La Crosse**—J. A. Salzar Seed Co. let contract 4-story, 64 x 160-ft. seed elevator to Peter Nelson & Sons, La Crosse. About $75,000.

★**Wis., Racine**—Racine Auto Tire Co., Racine, let contract 5-story, 265 x 320-ft. factory to R. H. Folwell Constr. Co., McCormick Bldg., Chicago. About $1,000,000.

★**Mo., Kansas City**—Montgomery & Ward Co., St. John and Belmont Sts., let contract 10-story, 108 x 182-ft. concrete warehouse to Wells Bros., 23 West Jackson St., Chicago.

★**Cal., Los Angeles**—Pacific Coast Beef & Provision Co. let contract 5-story, 65 x 85-ft., brick and rein.-con. addition to cooler building at 1000 Lyon St. to Leonard & Peck, H. W. Hellman Bldg. About $50,000.

BUILDINGS

Proposed Work

Mass., Boston—Office—C. J. Huntley, 17 Yarmouth St., plans 4-story, 55 x 65-ft., at 239 Dudley St. About $60,000. J. Parks, 46 Prichard St., Somerville, archt.

Mass., Boston—Theater—Atlas Realty Co., 7 Water St., plans, 2-story, 75 x 250 ft., Huntington Ave. and Calumet St. About $250,000. J. M. Parks, 46 Pritchard Ave., Somerville, archt.

Mass., Northampton—Dormitory—Smith College plans, 3-story. About $125,000. Cram & Ferguson, 15 Beacon St., Boston, archts.

Mass., Wakefield — School — Bd. Educ. plans to build. About $280,000. J. J. Round, chn. bldg. com. Hartwell, Richardson & Driver, archts.

Mass., Worcester — Home — Worcester Home for Aged Men, Main St., plans, 2-story brick. About $75,000. C. W. Fisher, 82 Foster St., archt.

Conn., Ansonia—Bank—Ansonia Natl. Bank, 165 Main St., rejected bids, for 1-story, 45 x 60-ft. About $50,000. C. E. Brooker, pres. New bids soon. Noted June 14.

Conn., Bridgeport—D. S. Rivkin, 1st Natl. Bank Bldg., plans 5-story, 80 x 125-ft. professional building. E. B. Caldwell, Jr., 1st Natl. Bank Bldg., archt.

Conn., Bridgeport—Industrial Home—Bridgeport Christian Union, c/o J. Edwards, plans, 4-story, 87 x 100-ft. About $60,000. E. B. Caldwell, Jr., 509 1st Natl. Bank Bldg., archt.

N. Y., Albany—City Hall—Bd. Estimate plans, J. W. Stevens, mayor. About $115,000. W. G. Van Guysling, 1 Clinton Sq., archt.

N. Y., New York—Theater—B. F. Keith New York Theatres Co., 1564 Bway., plans Fordham Rd. and Valentine Ave. (Bronx Boro.). About $500,000.

N. Y., Rochester—School—Bd. Educ. plans, 3-story, 240 x 240 ft. About $500,000. J. S. Mullen, Municipal Bldg., secy. Gordan & Madden and W. G. Kaelber, 300 Sibley Blk., archts.

N. J., Bayonne—Hospital—Bd. Dir. of Bayonne Hospital soon receive bids for new addition. About $100,000.

N. J., Newark—Fire House—City having plans prepared by F. Grad, archt., American Natl. Bank Bldg., at Palm St. and Sanford Ave. About $100,000.

O., Lakewood—School—Bd. Educ. receives bids about Aug. 1, for 3 schools. About $500,000. C. W. Hopkins, 900 Rose Bldg., Cleveland, archt. Noted June 28.

Ind., Gary—Hospital—Bd. of Governors of Gary General Hospital having plans prepared, 5th Ave. and Grant St. About $200,000. R. E. Smith, 111 West Monroe St., archt.

Ind., New Castle—Asylum—Indiana Epileptic Village plans 1-story addition to boys cottage. About $63,000. W. C. Van Nuys, supt. H. Foltz, 1456 Lemcke Annex., Indianapolis, archt.

Mich., Bessemer — School — Bd. Educ. plans to build 2-story building to replace Ashland School recently destroyed by fire. About. $175,000.

Mich., Detroit—Mercantile—See "Reinforced Concrete."

Mich., Detroit—Opera House—R. E. Olds, Lansing, having plans prepared, 11-story, steel, granite and tile. About $750,000. Baxter, O'Dell & Halpin, 1024 Hammond Bldg., archts.

Mich., Lansing—Armory—State soon receives bids, 1- and 2-story, 125 x 240-ft. About $120,000. S. D. Butterworth, Tussing Bldg., archt. Noted July 5.

Mich., Port Huron—School—Bd. Educ. plans new building on 10th St. About $175,000. G. L. Harvey, 201 Huron Bldg., archt.

Ill., Chicago—School—Bd. Educ. plans, 3-story, on Keeler Ave. About $320,000. J. A. Guilford, mgr. A. F. Hussander, 7 South Dearborn St., archt.

Ill., Decatur—High School—Bd. Educ. receives bids about Aug. 10, 2-story, 153 x 236-ft. About $165,000. Brooks & Bremhall, Natl. Bank of Decatur Bldg., archts.

Wis., Milwaukee—School Bd. Educ. having plans prepared, 4-story, 264 x 300-ft., new Bay View High School, Montana and Lenox Sts., about $450,000. Van Ryn & DeGelleke, Caswell Blk., archts.

Wis., Milwaukee—School—Bd. Educ. receives bids about Sept. 1, 3-story, 110 x 150-ft., rein.-con. and brick addition. F. M. Harbach, secy. Van Ryn & DeGelleke, Caswell Blk., archts.

Wis., Milwaukee—School—Bd. Educ. plans 3-story, 110 x 115-ft. addition on 9th St. About $115,000. E. M. Harbach, 10th and Prairie Sts., secy. Van Ryn & DeGelleke, Caswell Bldg., archts.

Wis., West Salem—High School—Bd. Educ. had plans prepared for 16-room addition to high school. About $75,000. E. J. Hancock, Eau Claire, archt.

Ia., Ames—Armory—State Bd. Educ. plans, 1-story, 200 x 400-ft. About $125,000. W. G. Gemmill, secy. Proudfoot, Bird & Rawson, 810 Hubbell Bldg., Des Moines, archts.

Ia., Hampton—Hotel—North American Hotel Co. having plans prepared by Bankers Realty Investment Co., archts., Bee Bldg., Omaha, 3-story, 122 x 132-ft. About $60,000.

Ia., Letts—School—Bd. Educ. plans, 2-story. About $50,000. Eckland, Fugard & Knapp, McKinnie Blk., Moline, Ill., archts.

Ia., Spirit Lake—Home—Knight Templars of Iowa, plans, rebuilding home recently destroyed by fire. About $100,000.

Kan., Lawrence—Art—State plans 4-story, terra cotta and rein.-con. liberal arts building. About $225,000. T. A. Kimball, Topeka, mgr. bd. administration. C. H. Chandler, State Capital Bldg., Topeka, archt.

Pa., Phila.—Theater and Office—See "Reinforced Concrete."

Md., Baltimore—Laboratory—J. Hopkins Hospital plans, 3-story, stone and brick. About $200,000. F. Goodnow, pres. Archer & Allen, 1 East Lexington St., archts.

Okla., Red Fork—School—City voted $50,000 bond issue for building school. Address the Mayor.

Cal., Coalinga—(Official)—High [illegible]hool —Bd. Educ. receives bids about A[illegible] 15. About $100,000. E. J. Kump, Fresno [illegible]rcht. Noted June 28.

BIDS DESIRED

N. H., Durham—(Official)—Until [illegible]g. 4, by Governors Council, Concord, for [illegible]om-mons building and brick dormitory [illegible]00,-000. E. T. Huddleston, Dept. Drawi[illegible]c'g College, archt. Noted June 21.

Mass., Fall River—Hospital—Until Aug. 10, by D. H. Fuller, supt. of hospital [illegible] City Hall, on Bay St. About $150,000.

N. Y., Cohoes—High School—(Official)—Until Aug. 17, by Bd. Educ., 2-story, Columbia and Bevan Sts. About $150,000. Booker & Marsh, 101 Park Ave., New York City, archts.

N. Y., New York—(Official)—Until Aug. 7, by Bd. Water Supply, for removing steel-frame superstructure and furnishing and building portable steel building at Shaft 11; advertised in this issue.

N. J., Brunswick—Junior High School—Until Aug. 24, by Bd. Educ. About $275,000. A Merchant, 363 George St., archt.

N. C., Greensboro—Court House and Jail—Until Aug. 22, by Co. Comn. About $250,000. H. Barton, archt.

O., Bedford—High School—(Official)—Until Aug. 10, by Bd. Educ. About $50,000. E. Sentner, clk. E. E. Beat. Elyria, archt. Noted May 24.

O., Lebanon—High School—(Official)—Until Aug. 3, by Bd. Educ. W. Chester, clk. Bausmith & Drainie, 901 Gerke Bldg., Cincinnati, archts.

O., St., Paris—Grade and High School—Until Aug. 4, by Bd. Educ., Jackson Twp., 2-story. About $75,000. G. Shelfs, 319 New 1st Natl. Bank Bldg., Columbus, archt. Noted June 7.

O., Springfield—Hospital—Until Aug. 9, by Pythian Hospital, c/o R. C. Gotwald, archt., Gotwald Bldg., 62 x 105-ft., brick and stone. About $50,000. Noted May 22.

O., Washington C. H. — School — Until July 30, by Bd. Educ., 2-story, 74 x 86-ft. About $50,000. A. W. Glowser, pres. J. H. Hicks, Dennis Blk., archt.

O., Youngstown—Schools—Until Aug. 7, by Bd. Educ., for 5 grade schools. About $360,000. C. H. Baird, 123 McKinley Ave., pres. P. Boucherle, Stambaugh Bldg., archt.

★**Mich., Detroit**—See "Reinforced Concrete."

Ia., Mason City—School—Until Aug. 13, by R. L. James, secy. bd. educ., 2-story, brick, stone and rein.-con. About $100,000. J. H. Felt & Co., 800 Grand Ave. Temple, Kansas City, Mo., archts. Noted June 21.

Neb., Springfield — High and Grade School—(Official)—Until Aug. 17, by Bd. Educ. F. Davidson, secy. Bankers Realty Investment Co., Bee Bldg., Omaha, archts.

Mo., Trenton—School—Until Aug. 1, by Bd. Educ., 3-story, brick and rein.-con. About $75,000. H. E. Morris, clk.

Cal., Glendora—School—Until Aug. 4, by Trustees Glendora School Dist., brick and hollow tile. About $50,000. Allison & Allison, 1406 Hibernian Bldg., Los Angeles, archts.

Cal., Santa Barbara — Hospital — See "Reinforced Concrete."

PRICES AND CONTRACTS ADARDED

(★Indicates award of contract)

★**Mass., Boston**—Y. M. C. A. let contract 4-story, 70 x 72-ft., brick and rein.-con. building at City Sq., Charleston Dist. to C. Logan Bldg. Co., 18 Tremont St. About $350,000.

★**Conn., Bridgeport**—Industrial Home—Bridgeport Christian Union let contract to Dowling & Bottomley Co., 1119 Broad St. About $100,000.

★**Conn., New Haven**—Dormitories—Trustees of Yale College let contract to M. Eidlitz & Son, 30 East 42nd St., New York City. About $3,000,000.

★**N. Y., Niagara Falls**—Police Station and Jail—City let contract 3-story, brick to Brown Pollard Constr. Co., Gluck Bldg. About $60,000.

★**N. Y., Syracuse**—School—Bd. Educ. let contract, to Central City Constr. Co., 747 Mill St., Watertown.

★**N. J., Trenton**—Bank—Trenton Banking Co. let contract for new building, State and Warren Sts., to S. W. Mather & Son, Greenwood and Canal Sts. About $166,789.

Buildings (Continued)

★Pa., **Phila.**—Library—City let contract, Vine 19th, Wood and 20th Sts., to J. Gill & Sons, Citizens Bldg., Cleveland. About $2,270,000. Noted June 28.

★Md., **Baltimore**—School, Assembly Hall and Gymnasium—Park School let contract, 2½-story, 35 x 350-ft., to W. E. Burnham, Law Bldg. About $75,000. Noted May 17.

★Va., **Portsmouth**—Office—Texas Co. let contract 10- or 12-story, brick and terra cotta, to Baker & Brinkley, Dickson Bldg., Norfolk. About $50,000.

★Ga., **Atlanta**—Dormitory—City let contract 48 x 150-ft. rein.-con., brick and terra cotta, to Griffin Constr. Co., Candler Bldg. About $60,000.

★O., **Cleveland**—Office—Glengariff Realty Co., Erie Bldg., let contract, 2-story, concrete and steel at 4812 Windsor Ave. to Masters & Mullen Constr. Co., Electric Bldg. About $75,000.

O., **Cleveland**—School—Bd. Educ. received low bids for Gladstone School from H. F. Juergens Co., 3315 West 25th St. About $165,225. Noted June 14.

★Mich., **Detroit**—Bank—Dime Savings Bank let contract, 1-story, 43 x 63-ft., to E. D. Jackson Contr. Co., 1921 Ford Bldg. About $70,000.

★Ill., **Carthage** — Dormitory — Carthage College let contract, 4-story, brick and stone, to E. S. Moore Danville. About $80,000.

★Ill., **Chicago**—School—Bd. Educ. let contract 3-story, brick addition, at 1235-57 North Claremont Ave., to A. & E. Anderson Co., 5954 Magnolia St. About $650,000.

★Wis., **Ashland**—School—Bd. Educ. let contract, rebuilding school recently destroyed by fire, to Tomlinson, Egan, Ashland. About $90,000. Noted July 5.

★Wis., **Kenosha**—High School—Bd. Educ. let contract, 2-story, 93 x 168 ft., new Washington High School, to Riesen Bros. Co., 1003 1st Natl. Bank Bldg., Milwaukee. About $120,000.

★Wis., **Manitowoc** — Club — Manitowoc Lodge of Elks let contract, 2-story, 60 x 90 ft., to Michie Constr. Co., Camp Bldg., Milwaukee. About $75,000. Noted July 5.

★Wis., **Mt. Horeb**—(Dane, O. P. O.)—High School—Bd. Educ. let contract to Wagner & Bauman, Monroe. About $93,000.

★Wis., **Racine**—Bank and Office—Manufacturers Natl. Bank let contract to Anderson-Stranberg Co., 19 South La Salle St., Chicago. About $150,000.

★Wis., **Stevens Point**—Depot—Minneapolis, St. Paul & Sault Ste. Marie R.R. let contract 2-story, 80 x 144-ft., brick and concrete depot, division offices, club house, etc., to Withee Constr. Co., Withee. About $75,000.

★Wis., **Wilwaukee** — Restaurant — Globe Investment Co., c/o Schroder, 86 Michigan St., let contract, 7-story, 114 x 124-ft., to Olson Carson Co., Tacoma Bldg. About $500,000. Noted July 12.

★Ia., **Woodward** — Dining Hall, etc.—State Hospital Colony let contract, to J. E. Tusant & Son, 583 7th St., Des Moines. About $75,000.

★Kan., **Ft. Scott**—High School—Bd. Educ. let contract, 3-story, 70 x 200-ft., brick and stone, to Eberhardt Constr. Co., Salina. About $85,000. Noted June 21.

S. D., **Sioux Falls**—City Hall—City received low bids from Sioux Falls Constr. Co., Sioux Falls, $92,900; Collins Bros., Sioux Falls, $96,500; O. H. Olsen, Stillwater, Minn., $99,175.

S. D., **Wessington Springs**—High School—(Official)—Bd. Educ. let contract, to F. R. Comb, 201 Lumber Ex. Bldg., Minneapolis, $57,600. Noted June 7.

★N. D., **Blue Hill**—School—(Official)—Bd. Educ. let contract to G. W. Tenning, Bismarck. About $77,000. Noted July 12.

★Mo., **St. Louis**—Hotel—Mortgage Trust Co., 204 North 4th St., let contract, 15- to 25-story, 130 x 150-ft., to Westlake Constr. Co., 717 Locust St. About $2,000,000.

★Mo., **St. Louis**—School—Bd. Educ. let contract, 2-story, 80 x 110-ft., to Murch Bros. Constr. Co., Ry. Ex. Bldg. About $134,840. Noted July 12.

★Okla., **Tulsa**—School—Bd. Educ. let contract, 1- and 2-story, brick and rein.-con. to Latimer & Rouch, 1301 South Carson St. About $70,000.

★Okla., **Tulsa**—Office—J. A. Waldrep, 215 East 1st St., let contract, 3-story, 50 x 120-ft., brick, steel and rein.-con. to J. Simpson Constr. Co., 219 East 1st St. About $50,000.

★Colo., **Rocky Ford**—School—Bd. Educ. let contract, 3-story, 115 x 160-ft., to G. O. Teats, Rocky Ford, about $73,963. Noted May 17.

★Cal., **Los Banos**—School—School Trustees let contract, brick and concrete, to L. G. Bergen, Call Bldg., San Francisco $61,472.

FEDERAL GOVERNMENT WORK

Proposed Work

N. J., Vineland—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., rejected bids opened June 27 as too high. Work will be readvertised. Noted July 5.

S. C., Port Royal—Buildings—Bureau Yards and Docks, Navy Dept., Wash., rejected bids opened June 25, for 8 buildings for officers' quarters. Noted July 5.

R. I., Melville—Extending Fuel-Oil Storage Plant—Until July 30, by Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., for underground concrete oil reservoir, pumps, piping, heaters and buildings at Naval Coal Depot.

BIDS DESIRED

N. Y., Buffalo—Cement—Until Aug. 2, by Lighthouse Inspector, furnishing 1500 bbl. Amer. Portland cement; advertised in this issue.

Pa., Franklin—Post Office—Until Aug. 30, by J. A. Wetmore, superv. archt., treas. dept., Wash.; advertised in this issue.

S. C., Charleston—Storehouse—Until Aug. 6, by Bureau Yards and Docks (F. R. Harris, ch), Navy Dept., Wash., rein.-con., at Navy Yard.

Mich., Grand Haven—Building—Until Aug. 21, by Navy Dept., U. S. Coast Guard, Wash., for additions and repairs to station building and launchway at Coast Guard Station No. 268; advertised in this issue.

Wyo., Torrington—Until Sept. 5, by U. S. Rec. Ser., for earthwork and structures on Ft. Laramie Canal, North Platte Project, Nebraska, Wyoming, involving 1,274,000 cu.yd. excav. placing 2925 cu.yd. concrete, 336,000 lb. steel and 5 gates. A. P. Davis, ch. engr.

Mo., St. Louis—Levee Work—Until Aug. 11, by Secy. Mississippi River Comn., 1311 International Life Bldg., 90,000 cu.yd. earthwork, Hunt D.D.

Cal., San Francisco—Dredging Plant—Until Aug. 2, by U. S. Engr. Office, U. S. Army, 405 Custom House, for hire and operation of 1 clam shell dredging plant for work in Sacramento, San Joaquin, Feather and Mokelumne Rivers.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

N. J., Lake Denmark—Buildings—Bureau Yards and Docks, Navy Dept., Wash., received low bids, July 16, building additions to 8 magazine buildings at naval ammunition depot (a) work complete (b) making all foundation walls of concrete instead of stone, from J. C. Lyons Sons Co., 30 East 42nd St., New York City, (a) $127,305, (b) $129,480; Columbus Circle Constr. Co., 51 East 42nd St., New York City, (a) $128,000, (b) $130,000; Frymier & Hanna, 25 West 45th St., New York City, (a) $129,900, (b) $129,480.

★**Md., Annapolis** — Buildings — Bureau Yards and Docks, Navy Dept., Wash., let contract addition to Isherwood Hall to J. H. Miller, Eutaw and Franklin Sts., Baltimore, $203,000. Noted July 19.

★**Md., Annapolis** — Buildings — Bureau Yards and Docks, Navy Dept., Wash., let contract addition to Bancroft Hall, U. S. Naval Academy, to J. H. Miller, Inc., Eutaw and Franklin Sts., Baltimore, cost plus 10%. Noted July 19.

Wash., D. C.—Repair Shop—Bureau Yards and Docks, Navy Dept., received low bids addition to Nautical Instrument Repair at Naval Observatory, (work complete), from W. E. Mooney, Evans Bldg., $33,500, 95 days; Melton Constr. Co., Real Estate Trust Bldg., $37,527, 130 days; W. P. Lipscomb & Co., 1405 F St., $39,800, 120 days. Noted July 5.

W. Va., Charleston—Projectile Plant—Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., received low bids 4 buildings for machine shop, foundry, forge shop, heat-treating shop, lavatory and locker rooms at U. S. naval projectile plant, from C. W. McNulty Co., 814½ Quarrier St.; Boyle-Robertson Constr. Co., Inc., Evans Bldg., Wash., D. C.; F. W. Mark Constr. Co., 701 Finance Bldg., Phila.; J. Stewart & Co., Inc., 30 Church St., New York City; R. H. Arnold Co., 830 McGarry St., Los Angeles; Kettler-Elliott Erection Co., 1407 Ashland Blk., Chicago; Warren Moore & Co., Colonial Trust Bldg., Phila.; J. W. Cooper, 721 Fidelity Bldg., Buffalo, cost plus percentage.

Fla., Key West—Officers' Quarters—Bureau Yards and Docks, Navy Dept., Wash., received only bid from W. L. Hadlow, 4 Borland Bldg., Jacksonville, (work complete) $11,654.

★**Ala., Jasper**—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., let contract to A. Blair, Hill Bldg., Montgomery. Noted July 12.

Ill., Hoopeston—Post Office—J. A. Wetmore, superv. archt., treas dept., Wash., received low bids, July 12, (a) limestone, (b) sandstone, from Clarke Constr. Co., Danville, (a) $53,699 (b) $55,400; E. A. Steinenger, St. Louis, (a) $56,000; Yeager & Sons, Danville, (a) $58,497 (b) $58,997. Noted June 7.

★**Ia., Glenwood**—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., let contract to C. Weitz Sons, 712 Mulberry St., Des Moines, $38,820, time 12 mos. Noted July 19.

★**Wash., American Lake**—Roads—N. D. Baker, secy. war, let contract paving all roads within army cantonment to Independent Asphalt Paving Co., Northern Bank Bldg., Seattle, $15,000 per mi. Cost plus percentage of profit.

Mass., Newburyport—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., received low bids, July 16, from J. M. Monroe, North Attleboro, $69,712; C. S. Cunningham & Sons Co., 23 Central Ave., Lynn, $79,800; W. H. Fissell & Co., 1328 Bway., New York City, $84,797. Noted June 14.

MISCELLANEOUS

Proposed Work

Tide Gate, etc.—New Haven, Conn.—(Official)—City rejected bids opened July 18, for tide gate with spillways and river walls on Mill River, North State St. Noted July 12.

Parks—Syracuse, N. Y.—Park Comn. approved $160,000 bond issue to build and improve parks, including Burnet and Onondaga Parks.

Elimination of Grade Crossings—Bristol, Pa.—Pennsylvania R.R. made application to Pub. Ser. Commission to abolish grade crossings at Central Ave. by constructing new road parallel to tracks, connecting with White Hall Rd., also abolishment of grade crossings at Edgely Rd., Clark Ave. and Hellings's Rd. by building overhead bridges. A. C. Shand, Broad St. Sta., Phila., ch. engr.

Incinerating Plant—Paducah, Ky.—City Comrs. plan. Proposition has been made by International Sanitation & Development Co. of Springfield to build double unit plant here at once. About $12,000.

Dock—Minneapolis, Minn—City prepared plans dock for loading ore from Minnesota iron ranges for shipment down Mississippi to St. Louis. O. Claussen, city engr.

Levee Improvements—Clarksville, Tex.—Attorney General's Dept., Austin, approved $27,500 bonds for work in Red River Co. Levee Improv. Dist. No. 2.

Incinerator—Okmulgee, Okla.—City election Aug. 7 to vote on $30,000 bonds to build incinerator. M. N. Coles, city engr.

BIDS DESIRED

Piers, etc.—Albany, N. Y.—(Official)—Until Aug. 21 by W. W. Wotherspoon, supt. pub. wks., for piers, dolphins, etc., Gowanus Bay, Brooklyn, N. Y.; advertised in this issue.

River Improvements—White Plains, N. Y.—See "Sewers."

Embankment—Greenville, Miss.—(Official—Until Aug. 3, by Highway Comrs., 50,000 cu.yd. embankment. O. C. Kulicka, asst. engr.

Air Compressors—Galesburg, Ill.—(Official)—Until Aug. 6, by W. L. Boutelle, city clk.; advertised in this issue.

Incinerating Plant—Kansas City, Mo.—Until Aug. 3, by City, involving 2 unit plant, 100-ton capacity, brick building, 150-ft. stack. W. H. Bennaham, secy. bd. pub. wks. Noted June 14.

Wharf—Houston, Tex.—See "Reinforced Concrete."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Tunnel Improvements—Boston, Mass.—B. L. Beal, secy. Boston Transit Comn., received low bids setting 3800 sq.yd. ribbed tile on walls, etc., on (a) Bway. (b) Andrews Sq. Sta., from Galassi Mosaic & Tile Co., South Ash St., (a) $13,322 (b) $11,927; J. Vincenzi Co., (a) $15,280, (b) $11,776; Rinaldi Tile Co., 263 Atlantic Ave., (a) $15,516, (b) $11,922.

Stations—New York, N. Y.—Pub. Ser. Comn., 120 Bway., received low bid station finish for 2 stations on Bway. 4th Ave. Rapid Transit R.R. from D. E. Conners, 64 West 88th St., $155,000. (Unofficial totals.) Noted July 12.

SEARCHLIGHT SECTION

Contracts To Be Let

PROPOSALS

Bids received until Aug. 3, 1917.

Canal Improvements

STATE OF NEW YORK
OFFICE OF SUPERINTENDENT OF PUBLIC WORKS

Albany, July 6th, 1917.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Friday, August 3rd, 1917, at which place and hour they will be publicly opened and read, for improving the New York State canals pursuant to the provisions of Chapter 147 of the Laws of 1903, and of the acts amendatory thereof and supplementary thereto, and Chapter 570 of the Laws of 1915, as follows:

CONTRACT NO. 156.
Erie Canal—Section 5.

For constructing a highway bridge across Wood Creek about one mile east of Sylvan Beach.

Sheets 1 to 3, inclusive.

Plans may be seen and detailed specifications, engineer's estimate of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y.; at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y.; at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., and at the canal office, Spaulding's Exchange, Buffalo, N. Y.

Copies of detailed plans of drawings may be obtained from the State Engineer and Surveyor at Albany, N. Y., upon payment to him of the cost of producing them.

Monthly estimates will be paid of ninety per centum (90 per cent.) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the City of Albany or New York, issued by a national or state bank in good credit within the state and payable at sight to the Superintendent of Public Works, for five per centum (5 per cent.) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time, in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of the contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20 per cent.) of the estimated cost of the work according to the contract price, and an additional bond, known as the labor bond, in the sum of ten per centum (10 per cent.) of the same shal have been presented for collection according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the State for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interests of the state will be enhanced thereby.

W. W. WOTHERSPOON,
Superintendent of Public Works.

Official Proposals

Price, $3.60 an inch—Copy can be received until Wednesday, 10 a. m. for issue mailed the next day

PROPOSALS

Bids received until July 30, 1917.

Sanitary Sewers

Commerce, Okla.

Town of Commerce, Okla., will receive bids for system of sanitary sewers on July 30. Plans and specifications on file in clerk's office at Commerce City. Council reserves usual rights concerning bids.

CITY CLERK.

Bids received until Aug. 22, 1917.

Tunnel Aqueduct

San Francisco, Cal.

Sealed proposals will be received at the office of the Board of Public Works, City Hall, San Francisco, up to 3:00 o'clock P.M., Wednesday, August 22, 1917, for constructing 18 miles of tunnel aqueduct in the Mountain Division of the Hetch Hetchy Water Supply Project, California.

Tunnel is to be of horseshoe section, lined with concrete and to be 10 ft. 3 in. in height and width inside of lining.

Specifications and proposal blank may be obtained from the City Engineer, City Hall, San Francisco, on deposit of $20.

The estimated cost of the work is approximately $6,000,000 and it is divided into three sections—contractors may bid on one or all sections.

M. M. O'SHAUGHNESSY,
City Engineer.

PROPOSALS

Bids received until July 30, 1917.

Highway Work

Albany, N. Y.

Office of the State Commission of Highways, Albany N. Y.—Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at one o'clock P.M. on Monday, the 30th day of July, 1917, for the construction and completion of highways in the following counties:

Albany	(two highways; 0.12 and 2.93)
Dutchess	(Approx. 6.18)
Hamilton	(Approx. 4.54)
Herkimer	(Approx. 5.10)
Lewis	(Approx. 8.82)
Livingston	(Approx. 8.34)
Madison	(Approx. 5.65)
Montgomery	(Approx. 7.10)
Nassau	(Approx. 1.57)
Niagara	(Approx. 0.61)
Oneida	(two highways; 0.70 and 1.05)
Onondaga	(Approx. 2.37)
Suffolk	(Approx. 9.57)
Westchester	(Approx. 4.29)
Wyoming	(Approx. 6.99)

And also for the following repair contract:

Washington ..(one contract—resurfacing)

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the Division Engineers in whose division the roads are to be improved. The addresses of the Division Engineers and the counties in which they are in charge will be furnished on request.

The especial attention of bidders is called to "General Information for Bidders" on the itemized proposal, specifications and contract agreement.

EDWIN DUFFEY, Commissioner.
I. J. MORRIS, Secretary.

Bids received until August 6, 1917.

Concrete Arch Bridge

Camden, N. J.

Sealed proposals are invited for the erection of a three span concrete arch bridge 219 feet long, and 50 feet wide, and the approaches over Newton Creek, on Champion Road, Camden Co., N. J. All in accordance with plans and specifications which are on file with Fred W. George, Clerk, at the Court House, Camden, N. J., or he will mail the same to any address on receipt of $1.00.

Bids will be received, immediately opened and publicly read at the Court House, Camden, N. J., on Monday, August 6th, 1917, at 10.30 a.m.

Dated, July 17, 1917.

FRED. W. GERCKE,
Chairman.

J. J. ALBERTSON,
County Engineer.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., July 19, 1917.—Sealed proposals will be opened in this office at 3 p.m., Aug. 30, 1917, for the construction of the United States post office at Franklin, Penn. Drawings and specifications may be obtained from the custodian of the site at Franklin, Penn., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.